

MATERIAL SAFETY DATA SHEET

1. Substance and Company Information					
Product name		GERANIUM OIL			
Company		Penny Price Aromatherapy Ltd			
		The Stables			
		41 Leicester Road			
		Hinckley			
		Leicestershire LE10 1LW			
Emergency Telephone Number		00 44 (0) 1455 251020			
2. Composition/Ingredient Information					
Definition/Botanical origin: Geranium oil is obtained by the steam distillation of the flowering herb <i>Pelargonium graveolens</i> l'Heritier ex Aiton, P, Roseum willdenow, and other non-defined hybrids, of varieties found in Reunion and Madagascar.					
H-No:		CAS No:	8000-42-2	Status:	Natural
CoE No:	-	FEMA	-	Additives:	None
FDA	Rose geranium oil (taken to be Algerian, Moroccan, Boubon and Spanish origin) is §182.20. Other types are § 182.10	IFRA	Not restricted	RTECS:	-
RIFM	Monograph	EINECS:	90082-46-5	FCCIV:	-
INCI name		<i>Pelargonium graveolens</i>			
3. Hazards Identification					
Concentrated product. Do not ingest. Observe good housekeeping procedures					
4. First Aid Procedure					
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 if 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			
5. Fire fighting measures					
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			
6 Accidental release measures					
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.			
7. Handling and storage					
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.			
8. Exposure controls/Personal protection					
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.			
9. Physical and chemical properties					



Colour	Greenish yellow to green
Appearance	Mobile liquid
Odour	Rosy, somewhat minty fresh-geranium leaf odour
Flash point °C	64 (closed cup)
Specific Gravity d ₂₀ ²⁰	0.8840 to 0.920
Optical rotation @ 20°C	-14o to -8o
Refractive index @ 20°C	1.4620 to 1.4680
Solubility in 70% ethanol @ 20°C	1+3
Solubility in vegetable oils	Soluble
Solubility in water	Slight
Typical analysis of major components	Not found to be a skin sensitiser or photo-toxic: see Opdyke D L J. Food Cosmet. Toxicil. (1974) 12, p883, FCT (1975) 13, 451 and (1976) 4,781. Acute oral LD ₅₀ : >5g/KG. Dermal LD ₅₀ : >5g/KG
10. Stability and reactivity	
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.
11. Toxicological information	
12. Ecological information	
Biodegradability	Data not available
Precautions	Prevent surface contamination of soil, ground and surface water.
13. Disposal considerations	
Waste material	Avoid disposing to a drainage system and into the environment. Seek expert advice.
14. Transport information	
Road (ADR/RID)	-
Air (IATA/ICAO)	-
Sea (IMDG)	-
UN1993	-
15 Regulatory information	
Hazards	-
Symbols	-
Risk phases	-
Safety phases	-
16. Other information	
Concentrated % limits	-
Packaging	Type and suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No
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.	
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