


1. Identification of the substances / mixture and of the company/undertaking.		
1.1 Product identifier:		
Substance name: Tangerine Oil Brazil		
Biological Definition		
INCI Name	CITRUS RETICULATA PEEL OIL	
Synonyms & Trade Names	FEMA Number: 3041	
EC NO: 297-672-2	CAS NO: 8016-85-1	EINECS CAS Number: 93686-22-7
Index No:	Reach Registration No:	
1.2 Relevant identified uses of the substance or mixture and uses advised against		
Identified uses: Concentrated material for manufacturing purposes only.		
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	Flammable Liquid. 3 – H226	
	Human Health	Aspiration Hazard. 1 – H304	Skin Corr / Irrit. 2 – H315
		Skin Sensitisation. 1 – H317	
	Environment	Aquatic Acute. 1 – H400	Aquatic Long Term. 1 – H410
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Hazard statements.			
H226	Flammable liquid and vapour.	H227	Combustible liquid.
H303	May be harmful if swallowed.	H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.	H316	Causes mild skin irritation.

H317	May cause an allergic skin reaction.	H319	Causes serious eye irritation.
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.

Precautionary statements.

P210	Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
P241	Use explosion-proof equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing fumes.
P264	Wash hands 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 / protective clothing / eye protection / face protection.
P301+P310	IF SWALLOWED: Immediately call a doctor.
P302+P352	If ON skin: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P321	Specific treatment (see % on this label).
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice.
P333 +P313	If skin irritation or rash occurs: Get medical advice.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage. Hazardous to the aquatic environment.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.

Supplementary Precautionary Statements:

2.3 Other hazards	Contains Limonene and Linalool which may produce an allergic reaction. No further information available at this time.
Adverse Physio-chemical Properties	
Adverse Effects on Human Health	

3. 1 Composition / information on ingredients:			
Chemical Characterisation	Substances	Description	Tangerine Oil
		EINECS CAS Number	93686-22-7
		CAS Number	8016-85-1
		EC Number	297-672-2
Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
d-Limonene (p-Mentha-1,8-diene)	CAS: 5989-27-5 EC: 227-813-5	93.00%	Flam liq. 3 – H226 Skin Corr / Irrit. 2 – H315 Skin Sens. 1B – H317 Asp Hazard. 1 – H304 Aquatic Acute. 1 – H400 Aquatic Chronic. 1 - H410
Myrcene	CAS: 123-35-3 EC: 204-622-5	2.00%	Flam. Liq. 3 – H226 Asp. Hazard. 1 – H304 Skin Corr / Irrit. 3H315 Eye Dam / Irrit. 2A – H319
Gamma-Terpinene (p-Mentha-1,4-diene)	CAS: 99-85-4 EC: 202-794-6	1.00%	Flam. Liq. 3 – H226 Acute Tox. Oral. 5 – H303 Asp. Hazard. 1 – H304 Skin Corr / Irrit. 3 – H316
Alpha-Pinene	CAS: 80-56-8 EC: 201-291-9	1.00%	Flam. Liq. 3 – H226 Acute Tox. Oral. 5 (3500) – H303 Asp. Hazard. 1 – H304 Skin Corr / Irrit. 2 – H315 Skin Sens. 1B – H317
Para-Cymene	CAS: 99-87-6 EC: 202-796-7	0.30%	Flam. Liq.3 – H226 Acute Tox. Oral. 5 (4750)– H303 Asp. Hazard. 1 – H304 Skin Corr / Irrit. 2 – H316 Aquatic Acute. 2 – H401 Aquatic Chronic. 2 – H411
Decanal	CAS: 112-31-2 EC: 203-957-4	0.20%	Flam. Liq. 4 – H227 Acute. Tox. Oral. 5 (3750) – H303 Skin Corr/ Irrt. 3 – H315 Eye Dam. Irrit. 2A – H319 Aquatic Acute. 3 – H402 Aquatic Chronic. 3 0 H412
Linalool	CAS: 78-70-6 EC: 201-134-4	0.20%	Flam. Liq. 4 – H227 Acute. Tox. Oral. 5 (3000) - H303 Eye Dam / Irrit. 2A – H319 Skin Corr / Irrit. 2 – H315

			Aquatic Acute. 3 – H402
Terpinolene	CAS: 586-62-9 EC: 209-578-0	0.10%	Flam. Liq. 3 – H226 Acute Tox. Oral. 5 (3850) – H303 Skin Corr / Irrit. 2 – H316 Asp. Hazard 1 – H304 Aquatic Acute. 2 – H401 Aquatic Chronic. 2 – H411
Citronellal	CAS: 106-23-0 EC: 203-376-6	0.10%	Flam. Liq. 4 - H227 Acute Tox. Oral. 5 (2500) – H303 Skin Corr / Irrit. 2 -H315 Eye Dam / Irrit. 2A – H319 Skin Sens. 1 – H317 Aquatic Acute. 2 – H401
Refer to Section 16 for the wording of listed classification and hazard statement codes.			

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:

	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:

Suitable extinguishing media:	Carbon dioxide, foam or dry powder.
Unsuitable extinguishing media:	DO NOT USE A DIRECT WATER JET

5.2 Special hazards arising from the substances or mixture: None

Hazardous combustion products:	May produce Carbon Dioxide and unidentified organic compounds.
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5.3 Advice for firefighters	Wear protective clothing and avoid inhalation of vapours.
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6 Accidental release measures	
6.1 Personal precautions, protective equipment, and emergency procedures	
6.1.1 For non-emergency personnel	
Protective equipment:	
Emergency procedures:	Remove all sources of ignition. Avoid inhalation, skin, and eye contact. Ensure proper ventilation.
6.1.2 For Emergency responders	
6.2 Environmental precautions	Do not discharge directly into drains or the soil. Keep away from surface and ground water.
6.3 Methods for cleaning up – 6.3.1 For containment:	Soak up spillage with sand or other inert absorbent material such as earth or vermiculite; transfer used material to a suitable waste container and dispose in accordance with regulations.
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:	
Measures to prevent aerosol and dust generation:	
Measures to protect the environment:	
Advice on general occupational hygiene:	Maintain good occupational and personal hygiene. Avoid inhalation and contact with skin and eyes.
7.2 Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	

Packaging Materials:	
Requirements for storage and vessels:	Store in tightly sealed original containers away from ignition sources and in a cool place.
Storage Class: Further information on storage containers:	
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	No information available.
8.2 Engineering Controls	No information available.
8.2.2 Personal Protection equipment:	Refer to Section 5 for specific fire/chemical personal protective equipment advice. Always wash routinely before breaks, meals and at the end of the work period.
8.2.2.1 Eye / face protection	Wear safety goggles.
8.2.2.2 Skin Protection	Wear overalls. Always wash routinely before breaks, meals and at end of the work period.
Hand protection	Wear chemically resistant disposable gloves.
Other skin protection	
8.2.2.3 Respiratory protection	Not generally required. Use inhalation protection in poorly ventilated areas.
Ventilation	
8.2.2.4 Thermal hazards	No information available.
8.2.3 Environmental exposure controls	No information available.

9. Physical and chemical properties- C of A

9.1 Information on basic physical and chemical properties

Colour	Orange to Red
Appearance	Liquid
Odour	Characteristic
Odour Threshold	No data available.
Melting Point / freezing point	
Boiling point /Initial boiling point & boiling range	
Flammability	

Lower and upper explosion limit	
Flash point °C	52.0°C
Auto- ignition temperature	No data available.
Decomposition temperature	
pH	Not applicable for this product.
Evaporation Rate	No data available.
Viscosity	No data available.
Solubility in Water	
Solubility in other Solvents	
Partition coefficient	No data available.
Vapour Pressure	No data available.
Relative density @ 20°C	1.4680 to 1.4800
Vapour density	No data available.
Particle characteristics	
Explosive Properties	Not determined (material not explosive).
Oxidising Properties	Not determined (material not explosive).
9.2 Other information	No further 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	Not determined
10.2 Chemical Stability	Not determined
10.3 Possibility of hazardous reactions:	Not determined
10.4 Conditions to avoid:	Extreme temperatures.
10.5 Incompatible Materials:	Highly reactive chemicals which may produce unknown reaction products and so cause additional hazards.
10.6 Hazardous Decomposition Products	Not determined

11. Toxicological information	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008	
Information on Toxicological Effects	
Acute toxicity:	No data available
Skin corrosion /irritation:	No data available
Seriously eye damage/irritation:	No data available
Respiratory or skin sensitisation:	No data available
Germ cell mutagenicity:	No data available

Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Summary of evaluation of the CMR properties:	
STOT- single exposure,	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available
Information on Likely Routes of Exposure	No data available
Symptoms Related to the Physical, Chemical and Toxicological Characteristics	No data available
Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure	No data available
Interactive Effects	No data available
Other Information	No data available

12. Ecological information

12.1 Toxicity	No data available; avoid soil, surface water and water bearing stratum contamination.
12.2 Persistency & degradability	No data available.
12.3 Bio accumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB Assessment	No data available.
12.6 Endocrine disrupting properties	
12.7 Other adverse effects	No data available.

13. Disposal considerations: Please refer to the information in Section 8 (Exposure Controls and Personal Production).

13.1 Waste treatment methods	Dispose in accordance with the law and local regulations. Treat as trade effluent.
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:	Dispose of contents and container in accordance with local / regional / national / international regulations.
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14. Transport information	
14.1 UN Number or ID number	1169
14.2 UN proper Shipping name	EXTRACTS, AROMATIC, LIQUID
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Tunnel Code	(D/E)
14.5 Environmental hazards	No relevant information available.
14.6 Special precautions for user	No relevant information available.
14.7 Maritime transport in bulk according to Annex II of MARPOL73.78 and the IBC Code	Not applicable

15 Regulatory information	
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture	
No relevant information available at this time.	
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)	<p>Abbreviations and acronyms:</p> <p>DNEL: Derived No-Effect Level.</p> <p>PNEC: Predicted No- Effect Concentration.</p> <p>ADR: European agreement concerning the international carriage of dangerous goods by road.</p> <p>RID: Regulations concerning the International carriage of Dangerous goods by rail.</p> <p>IATA-DGR: Dangerous Goods Regulations by the “International Air Transport Association” (IATA)</p> <p>ICAO: International Civil Aviation Organisation</p> <p>ICAO-TI: Technical Instructions by the ‘International Civil Aviation Organisation” (ICAO)</p> <p>IMDG: International Maritime Code for Dangerous Goods</p> <p>IATA: International Air Transport Association</p> <p>ICAO: International Maritime Dangerous Goods.</p> <p>GHS: Globally Harmonised System of Classification and Labelling of Chemicals</p> <p>EINECS: European Inventory of Existing Commercial Chemical Substances</p> <p>ELINCS: European List of Notified Chemical Substances</p> <p>CAS: Chemical Abstracts Service (division of the American Chemical Society)</p> <p>WGK: Water Hazard Class.</p>

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. H: 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

(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.



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