


1. Identification of the substances / mixture and of the company/undertaking.			
1.1 Product identifier:			
Substance name: Plai Oil Thailand			
Biological Definition			
INCI Name		ZINGIBER CASSUMUNAR ROOT OIL	
Synonyms & Trade Names			
EC NO: 283-634-2		CAS NO: 8007-08-7	EINECS CAS Number: 84696-15-1
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	Flam. Liq. 3 – H226	
	Human Health	Asp. Hazard. 1 – H304	Skin Corr/ Irrit. 2 – H315
		Skin Sens. 1 – H317	Eye Dam /Irrit. 2A – H319
	Environment	Aquatic Acute.2 – H401	Aquatic Chronic. 2 - H411
2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:			
			
Signal Word. DANGER			
Hazard statements.			
H226	Flammable liquid and vapour.	H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.	H317	May cause an allergic skin reaction.

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H319	Causes serious eye irritation.	H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.		
Precautionary statements.			
P210	Keep away from heat, hot surfaces, sparks, open flame, and other ignition sources. No smoking.		
P241	Use explosion-proof equipment		
P242	Use non-sparking tools		
P243	Take action to prevent static discharges.		
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 overalls, eye protection, face protection.		
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE.		
P302+P352	IF ON SKIN: Wash with plenty of water		
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.		
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.		
P331	Do NOT induce vomiting.		
P333+P313	If skin irritation or rash occurs: Get medical advice.		
P337+P313	If eye irritation persists: Get medical attention.		
P351	Rinse cautiously with water for several minutes.		
P362+P364	Take off all contaminated clothing and wash it before reuse.		
P391	Collect spillage.		
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 – Results of PBT and vPvB According to Annex XIII		Contains nothing known from the allergens list 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:			
Substances	Description	Plai Oil	
	EC Number	283-634-2	
	CAS Number	8007-08-7	
	EINECS CAS Number	84696-15-1	
Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE

4. First Aid Measures	
4.1 General	Immediately remove any clothing soiled by the product. Take phrases in Section 2 into account.
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 at this time.
4.3 Indication of any immediate medical attention and special treatment need	
	No further relevant information available at this time.
5. Firefighting Measures	
5.1 Extinguishing Media:	
Suitable extinguishing media:	Carbon dioxide (CO ₂), 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 (CO ₂) and unidentified organic compounds.
5.3 Advice for firefighters	Wear protective clothing and avoid inhalation of vapours. Keep containers cool with water spray.

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	Refer to information in Sections 7, 8 and 13.

7. Handling and storage	
7.1 Precautions for safe handling	
<p>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.</p>	
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 information available.
Recommendations:	
Industrial sector specific solutions:	

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8. Exposure controls/Personal protection:	
8.1 Control parameters	No information available.
8.2 Exposure controls	
Engineering Measures	No information available.
Individual Protection Measure	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 Personal Protection equipment	
8.2.2.1 Eye / face protection	Wear safety goggles.
8.2.2.2 Skin Protection	
Hand protection	Wear chemically resistant disposable gloves.
Other skin protection	Wear overalls. Always wash routinely before breaks, meals and at the end of the work period.
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	Colourless to yellow
Appearance	Liquid
Odour	
Melting Point / freezing point	
Boiling point /Initial boiling point & boiling range	
Flammability	
Lower and upper explosion limit	
Flash point	47°C
Auto- ignition temperature	
Decomposition temperature	
pH	
Kinematic Viscosity	
Solubility in Water	
Solubility in other Solvents	
Partition coefficient n-octanol/ water (log value)	
Vapour Pressure	
Relative Density @ 20°C	0.880 to 0.925
Relative vapour density	

Particle characteristics	
Explosive Properties	
Oxidising Properties	
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:	Nor determined.
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	
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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 Protection)	
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 in accordance with local / regional / national/ international regulations.

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)	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

(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.