




<b>1. Identification of the substances / mixture and of the company/undertaking.</b>			
<b>1.1 Product identifier:</b>			
<b>Substance name:</b>			
<b>Biological Definition</b>	<b>Product Name:</b> Turmeric Root Oil		
<b>INCI Name</b>	<b>Chemical identification:</b> Curcuma longa, oil		
<b>Synonyms &amp; Trade Names</b>			
<b>EC NO:</b> 283-882-1	<b>CAS NO:</b> 8024-37-1	<b>EINECS CAS Number:</b>	
<b>Index No:</b>	<b>Reach Registration No:</b>		
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>			
<b>Identified uses:</b> Formulation (mixing) of preparations			
<b>Uses advised against:</b> Other uses than those recommended. {?/TIPOREG} {?/EEXP}			
<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. Or call NHS 111 or NHS 999		

<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	Skin Sens. 1 - H317	Asp. Hazard. 1 – H304
	Environment	Aquatic (Chronic) 3 - H412	
<b>2.2 Label Element Labelling according to Regulation (EC) No.1272/2008:</b> EC Number: 283-882-1			
  			
<b>Signal Word. DANGER</b>			
<b>Hazard statements.</b>			
H226	Flammable liquid and vapour.	H304	May be fatal if swallowed and enters airways.
H317	May causes an allergic skin reaction.	H412	Harmful to aquatic life with long lasting effects.

<b>Precautionary statements.</b>	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves / eye protection /face protection.
P301+P310	IF SWALLOWED: Immediately call the POISON CENTER / doctor
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs : Get medical advice / attention.
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:** The product does not contain substances identified as PBT and/or vPvB in a concentration equal to or greater than 0,1 % (w/w).

**Adverse Physio-chemical Properties:** Environmental endocrine disrupting properties. The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

**Adverse Effects on Human Health:** Human health endocrine disrupting properties. The product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

**3. 1 Composition / information on ingredients:**

Substance name	Index number under CLP Annex VI	Weight % content (or range)	CL, M-Factor, ATE
Curcuma longa, oil	EC;283-882-1 Not applicable (Low tonnage Art. 6.1 CAS: 8024-37-1	≥50% and ≤100	

**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. 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:**

May produce an allergic reaction (rash, urticaria).

Aspiration hazard. May cause lung damage if swallowed (aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration).  
Read label before use. No additional information available.

#### **4.3 Indication of any immediate medical attention and special treatment need**

Not available

#### **5. Firefighting Measures**

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

**Suitable extinguishing media:** Carbon dioxide, dry chemical, foam. If water must be used, use as a spray only

**Unsuitable extinguishing media:**

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

**Hazardous combustion products:** Not applicable.

**5.3 Advice for firefighters**  
Closed containers may build up pressure at elevated temperatures.  
Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.  
Prevent run-off from fire fighting to enter drains or water courses.

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

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

###### **6.1.1 For non-emergency personnel**

**Protective equipment:** Specifically given in Section 8.

**Emergency procedures:**  
Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition. Wear appropriate gloves to prevent skin exposure.  
Avoid contact with skin and inhalation of its vapours or smoke.  
Maintain adequate ventilation in the working area after spilling.

###### **6.1.2 For Emergency responders**

##### **6.2 Environmental precautions**

Avoid contaminating the environment via the sewers or water sources.

##### **6.3 Methods for cleaning up – 6.3.1 For containment:**

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).  
Ventilate area and wash spill site after material pickup is complete.  
Dispose of in accordance with current laws and regulations

###### **6.3.2 For cleaning up:**

###### **6.3.3. Other information:**

##### **6.4 Reference to other sections**

See also sections 8 and 13.

#### **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.	
<b>Measures to prevent fire:</b>	
<b>Measures to prevent aerosol and dust generation:</b>	
<b>Measures to protect the environment:</b>	
<b>Advice on general occupational hygiene:</b>	Wear safety glasses, rubber gloves and protective clothing. Keep away from food, drink and animal feedingstuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Technical measures and storage conditions:</b>	
<b>Packaging Materials:</b>	
<b>Requirements for storage and vessels:</b>	Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label. Keep away from incompatible substances (see section 10).
<b>Storage Class: Further information on storage containers:</b>	
<b>7.3 Specific end use(s).</b>	Not available.
<b>Recommendations:</b>	
<b>Industrial sector specific solutions:</b>	
<b>8. Exposure controls/Personal protection:</b>	
<b>8.1 Control parameters</b>	Declaration of substances is not required.
<b>8.2 Exposure controls</b>	Personal protection equipment: Appropriate personal protective equipment shall be worn in accordance with Regulation (EU) 2016/425.

<b>Engineering Measures</b>	Engineering Controls-Ventilation: The areas where the product is handled and stored should be adequately ventilated.
<b>8.2.2 Personal Protection equipment</b>	
8.2.2.1 Eye / face protection	An eyewash and safety shower should be readily available. As a precaution, wear safety glasses or goggles. Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
8.2.2.2 Skin Protection	A rubber apron is recommended when handling large quantities of this material.
Hand protection	Wear standard industrial type rubber gloves.
Other skin protection	Avoid contact with skin. Wear suitable gloves (EN 374).
8.2.2.3 Respiratory protection	Use personal breathing apparatus whenever deemed necessary.
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	Yellow.
Appearance	Liquid.
Odour	Woody
Odour threshold	Not determined
Melting Point / freezing point	
Boiling point /Initial boiling point & boiling range	Not determined
Flammability limits	Not determined
Lower and upper explosion limit	Not determined
Flash point °C	60°C
Auto- ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined
Evaporation rate:	Not determined
Viscosity	Not determined
Kinematic Viscosity	Not determined.
Solubility in Water	Not determined
Solubility in other Solvents	<0.5
Partition coefficient n-octanol/ water	Not determined
Vapour Pressure	Not determined
Density	0.900 - 0.971 g/cm <sup>3</sup> (25 °C)
Vapour Density	Not determined
Particle characteristics	
Explosive Properties	Not available

Oxidising Properties	Not available
<b>9.2 Other information</b>	Not applicable.
Specific gravity d <sub>20</sub> <sup>20</sup>	
Optical rotation @ 20 <sup>0</sup> C	
Refractive index @ 20 <sup>0</sup> C	
Typical analysis of major components	

<b>10. Stability and reactivity</b>	
<b>10.1 Reactivity</b>	Not available.
<b>10.2 Chemical Stability</b>	Stable under normal operating conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.
<b>10.4 Conditions to avoid:</b>	Heat, flames and other sources of ignition. Handle in accordance with good industrial hygiene and safety practice.
<b>10.5 Incompatible Materials:</b>	Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.
<b>10.6 Hazardous Decomposition Products</b>	Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

<b>11. Toxicological information</b>	
<b>11.1 Information on hazard classes as defined in Regulation (EC) No 1272 /2008</b>	
<b>Information on Toxicological Effects</b>	
<b>Acute toxicity:</b>	Acute oral toxicity (LD50): Non toxic Acute dermal toxicity (LD50): Non toxic Acute Inhalation toxicity (LC50 Gas): Non toxic Acute Inhalation toxicity (LC50 Dusts and Mists): Non toxic Acute Inhalation toxicity (LC50 Vapours): Non toxic See also sections 2 and 3.
<b>Skin corrosion /irritation:</b>	
<b>Seriously eye damage/irritation:</b>	
<b>Respiratory or skin sensitisation:</b>	
<b>Germ cell mutagenicity:</b>	
<b>Carcinogenicity:</b>	
<b>Reproductive toxicity:</b>	
<b>Summary of evaluation of the CMR properties:</b>	
<b>STOT- single exposure,</b>	

<b>STOT-repeated exposure:</b>	
<b>Aspiration hazard:</b>	
<b>Information on other hazards:</b>	Endocrine disrupting properties.: The product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

**12. Ecological information:** Not available

<b>12.1 Toxicity</b>	Acute aquatic toxicity: Non toxic Chronic Aquatic Toxicity: None toxic See also Section 2 and 3
<b>12.2 Persistency &amp; degradability</b>	Not determined
<b>12.3 Bio accumulative potential</b>	Not determined
<b>12.4 Mobility in soil</b>	Not available
<b>12.5 Results of PBT and vPvB Assessment</b>	The product does not contain substances identified as PBT and/or vPvB in a concentration equal to or greater than 0,1 % (w/w).
<b>12.6 Endocrine disrupting properties</b>	The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).
<b>12.7 Other adverse effects</b>	Not available. Do not allow the material to enter streams, sewers or other waterways.

**13. Disposal considerations**


13.1 Waste treatment methods	In event of spillage, the oil can be contained by sand or soil and absorbed by paper from which the oil will evaporate.
13.1.1. Product /Packaging disposal:	Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site.
13.1.2 Waste treatment-relevant information:	
13.1.3 Sewage disposal-relevant information:	
13.1.4 Other disposal-relevant recommendations:	Dispose contents / container in accordance with local / regional / national / international regulations.

**14. Transport information:**

The oil can be safely stored or transported in sound metal drums or bottles at ambient temperatures. Store in full sealed containers, keep cool and protect from light to preserve quality, preferred container for long term storage - stainless steel or glass.

AIR FREIGHTS: Air freights are done in conformance to latest IATA/ICAO regulations with the name and address of the notifying party on the cartons

14.1 UN Number or ID number; ADR / IMDG / ICAO/ IATA	UN1993
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14.2 UN proper Shipping name	FLAMMABLE LIQUID, N.O.S. (Contains Curcuma longa, oil)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
14.5 Environmental hazards Marine Pollutant:	No
14.6 Special precautions for user IMDG-Code segregation group: EmS: ICAO/ IATA - Passenger aircraft: Cargo aircraft:	- F-E,S-E Accepted Accepted
Tunnel Restriction Code: ADR	(D/E)
Label: ADR / IMDG / ICAO / IATA	 Label: - 3
14.7 Maritime transport in bulk according to IMO instruments	

## 15 Regulatory information

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

Substances of very high content:  
Not available

15.2 Chemical Safety Assessment	Not available
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## 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 data.**

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
3. Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work).

**(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:**

<b>Shelf life</b>	Minimum 12 months when stored in the advised conditions.
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**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



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

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