




Bomar Ltd

Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Turmeric (Curcuma) Oil			
Biological Definition		Curcuma Longa Root Oil is the oil obtained from the root of the Turmeric, <i>Curcuma longa L., Zingiberaceae.</i>			
INCI Name		Curcuma Longa Root Oil			
Synonyms & Trade Names		Curcuma Oil			
CAS-No	84775-52-0	EC No.	283-882-1	EINECS No.	283-882-1
1.2 Relative identified uses of the substance or mixture and uses advised against					
Suitable for cosmetic, flavour, fragrance and professional use only.					
1.3 Details of the supplier of the safety data sheet					
Bomar Ltd, Sea Road, Kilcoole, Co. Wicklow Ireland A63TW67					
Email – info@bomar.ie					
1.4 Emergency Tel. No.		+ 44 (0) 1572 820267			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture		
The full text for all Hazard Statements are displayed in Section 16.		
Classification (EC 1272/2008)		
Physical hazards:	Not classified.	
Health hazards:	Asp. Tox. 1 - H304, Skin Irrit. 2 – H315, Skin Sens. 1- H317, Eye Irrit. 2 - H319	
Environmental hazards:	Aquatic Chronic 2 - H411	
2.2 Label Elements		
Label in accordance with (EC) No 1272/2008		
GHS08	GHS07	GHS 09
		
Signal Word	Danger.	
Contains	beta-Bisabolene, beta-Caryophyllene	
Hazard Statements		
H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long-lasting effects.		

Precautionary Statements	
P261 Avoid breathing vapours/spray. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of 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/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing. And wash it before reuse. P501 Dispose of contents in accordance with local, state or national legislation.	
Supplementary Precautionary Statements	
P264 Wash hands and exposed skin thoroughly after handling.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures	
<35.0% ar-Tumerone CAS No: 532-65-0 EC No: 664-010-2	
Classification (EC 1272/2008) Skin Sens. 1 – H317, Eye Irrit. 2 – H319, Aquatic Chronic 2 - H411	
1.0 – 5.0% beta-Bisabolene CAS No: 495-61-4 EC No: -	
Classification (EC 1272/2008) Asp. Tox. 1 – H304, Skin Irrit. 2 – H315, Skin Sens. 1 – H317	
1.0 – 5.0% beta-Caryophyllene CAS No: 87-44-5 EC No: 201-746-1	
Classification (EC 1272/2008) Asp. Tox. 1 – H304, Skin Sens. 1B - H317, Aquatic Chronic 4 - H413	
1.0 – 5.0% alpha-Humulene CAS No: 6753-98-6 EC No: 229-816-7	
Classification (EC 1272/2008) Skin Irrit. 2 – H315, Eye Irrit. 2 – H319, STOT SE 3-H335	
<2.5% p-cymene CAS No: 99-87-6 EC No: 202-796-7	
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 -H304, Repr. 2 H361, Aquatic Chronic 2 H411	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove from exposure area to fresh air. Get medical advice/attention.
Ingestion	Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Call a POISON CENTER/doctor.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if any discomfort continues.

Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical advice/attention. Continue to rinse.
4.2 Most important symptoms and effects, both acute and delayed	No additional data available.
4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	Extinguish with the following media: carbon dioxide, dry chemical, foam. Unsuitable extinguishing media: do not use water jet as an extinguisher, as this may scatter and spread fire.
5.2 Special hazards arising from the product	When heated and in case of fire, irritating vapours/gases may be formed.
5.3 Advice for firefighters	Avoid inhalation of generated fumes or vapours. Wear self-contained breathing apparatus and appropriate protective clothing.


06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Wear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours. Maintain adequate ventilation in the working area after spilling.
6.2 Environmental Precautions	Do not discharge into drains, water courses or onto the ground. Keep away from surface and ground water.
6.3 Methods and material for containment and cleaning up.	Cover with an inert, inorganic, non-combustible absorbent material (e.g. sand, vermiculite). Place in covered containers. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.
6.4 Reference to other sections	No additional data available.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Keep original container closed. Avoid contact with skin and eyes. Avoid breathing vapours. Observe good personal hygiene. Avoid exposing to high temperatures during processing.
7.2 Conditions for safe storage, including any incompatibilities	Store in tightly-closed, original container in a dry, cool and well-ventilated area, away from potential sources of ignition and protected from light.
7.3 Specific end use(s)	No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation or respiratory protection.
Respiratory Equipment	Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.
Hand Protection	Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Eye Protection	Avoid contact with eyes. Wear safety goggles in accordance with standard EN166.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Do not eat, drink or smoke during use. Remove and wash contaminated clothing before re-using.
Personal Protection	Use of chemical resistant clothing is recommended when handling.
Skin Protection	Wear appropriate protective clothing to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been exposed must be washed thoroughly.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Oily liquid, pale yellow to orange.
Colour	Pale yellow to orange.
Odour	Characteristic.
Relative Density	Approx. 0.935 @ 20°C
Flash Point (°C)	132.0
Refractive Index	Approx. 1.510 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity
Presents no significant reactivity hazards. Stable under normal temperature conditions and recommended use.
10.2 Chemical stability
This substance is stable under the recommended handling and storage conditions in section 7.
10.3 Possible hazardous reactions
No additional data available.
10.4 Conditions to Avoid
Avoid heat, flames and other sources of ignition.
10.5 Incompatible materials
Avoid strong acids, alkalis and oxidising agents.
10.6 Hazardous Decomposition Products
Not expected under normal temperature conditions and recommended use. Thermal decomposition may release/form oxides of carbon (carbon monoxide, carbon dioxide) and other toxic gases.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Not classified.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Skin- May cause an allergic reaction by skin contact.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Toxic to aquatic life with long-lasting effects.
12.2 Persistence & degradability
No additional data available.
12.3 Bioaccumulation Potential
No additional data available.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
No additional data available.

12.6 Other adverse effects

No additional data available.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Do not allow entry into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste. Do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container. Give to a certified disposal contractor

14. TRANSPORT INFORMATION**14.1 UN number**

UN No. Road	3082
UN No. SEA	3082
UN No. AIR	3082

14.2 UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.

14.3 Transport hazard class(es)

ADR/RID

ADR/RID– Class 9

ADR Classification Code – M6

Special provisions – 274 335 375 601

Limited quantities – 5L

Expected quantities – E1

Emergency Action Code – •3Z

IMDG

IMDG – Class 9

Special Provisions – 274 335 375 601

Limited quantities – 5L

Expected quantities – E1

IMDG EMS – F-A, S-F

Stowage and Handling – Category A

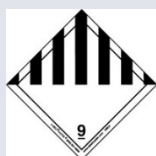
ICAO/IATA


ICAO/IATA– Class 9

IATA proper shipping name - ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.

Expected quantities – E1

Transport Labels



14.4 Packing group	
ADR/RID Packing group	III
IMDG Packing group	III
ICAO Packing group	III
14.5 Environmental hazards	
Environmentally Hazardous Substance/Marine Pollutant.	
	
14.6 Special precautions for user	
See sections 6 – 8.	
14.7 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	
<p>Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation 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, including amendments.</p>	
15.2 Chemical safety assessment	
No additional information available.	

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>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. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H361 Suspected of damaging fertility or the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.</p>
Other Information	None.
Revision Date	22/11/2019
Reason for revision	02 updated SDS 01 New document
Rev No/Repl, SDS Generated	02, replaces 01

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