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Safety Data Sheet

Wild Crafted Turmeric (*Curcuma longa*)

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

Product Name	Turmeric Oil Wild				
Biological Definition	Turmeric oil is obtained by steam distillation from the dried roots of Turmeric, <i>Curcuma longa</i> L., Zingiberaceae.				
INCI Name	Curcuma longa root oil				
Synonyms & Trade Names	Curcuma longa root oil; Curcuma oil.				
Supplier	NHR Organic Oils, 24 Chatham Place, Brighton, BN1 3TN, UK. Emergency Tel No: 0845 310 8066				
FEMA No.	3085	FDA No.	§182.20	CoE No.	N/A
CAS-No	84775-52-0	EC No.	283-882-1	EINECS No.	283-882-1

02. HAZARDS IDENTIFICATION

Classification (1999/45)	Xn; R43-52/53-65, S24-37-62
Classification (EC 1272/2008)	UN-GHS: FL 4, AH 1, SCI 3, SS 1, EH A3,C3 EU-CLP: AH1, SS 1
Label in accordance with (EC) No 1272/2008	 GHS08
Signal Word	Danger
Contains	Turmerone, ar-turmerone, anlatone, zingiberone, and conjugated diarylheptanoids as well as small amounts of cineoles, eugenol & pinene.
Hazard Statements	H304 May be fatal if swallowed and enters airways H317 May cause an allergic skin reaction H412 Harmful to aquatic life with long-lasting effects
Precautionary Statements	P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting
Supplementary Precautionary Statements	P333+313 If skin irritation or rash occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse. P405 Store locked up.
PBT or vPvB according to Annex XIII	No
Adverse physio-chemical properties	Combustible but should not self-ignite
Adverse effects on human health	Prolonged skin contact may cause sensitisation

03. COMPOSITION/INFORMATION ON INGREDIENTS

1% to 5% Cineoles 1,8-Cineole CAS: 470-82-6 UN-GHS: ATO 5(2500); SCI 3
1% to 5% Eugenol CAS: 97-53-0 UN-GHS: ATO 5(2300); SCI 3; EDI 2A; SS 1; EH A2



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1% to 5% Pinenes alpha-Pinene CAS: 80-56-8 UN-GHS: ATO 5(3700), SCI 2, SS 1
To 1% Limonene CAS: 5989-27-5 UN-GHS: SCI 2; SS 1; EHA1,C1
To 1% Borneol CAS: 464-45-9 UN-GHS: SCI 3

04. FIRST AID MEASURES

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

05. FIRE-FIGHTING MEASURES

Extinguishing Media	Use CO ₂ , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.
Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water.
Spill Clean Up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

07. HANDLING AND STORAGE

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	  Goggles Gloves
Engineering Measures	Ensure good ventilation of working area.



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Respiratory Equipment	As required. Avoid breathing product vapour.
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection	Use safety glasses.
Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Dark yellow to dark reddish brown
Odour	Characteristic - Strong spice: characteristic of turmeric
Relative Density	0.901 to 0.971 @ 20°C
Flash Point (°C)	87 c/c
Refractive Index	1.499 to 1.521 @ 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	No additional data available
Auto-ignition temperature (°C)	No additional data available

10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid storage temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.
Hazardous Decomposition Products	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute oral toxicity LD50 orl-rat: > 5000 mg/kg <i>FCT 21</i> , 839 (1983). Dermal toxicity LD50 skn-rbt: > 5000 mg/kg <i>FCT 21</i> , 839 (1983).
Skin corrosion / irritation	Hazard Category 3 under UN-GHS guidelines
Serious eye damage / irritation	Not listed under EC 1272/2008 guidelines
Respiratory or skin sensitisation	Skin sensitiser Hazard Category 1 under EC 1272/2008 guidelines
Germ Cell Mutagenicity	Not listed as mutagenic



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Carcinogenicity	Not listed as carcinogenic
Reproductive toxicity	Not listed as reprotoxic
STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	Aspiration Hazard Category 1 under EC 1272/2008 guidelines
Photo-toxicity	Not photo-toxic
Other Information	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	Environmental Hazard Acute 3; Chronic 3 under EC 1272/2008 guidelines.
Mobility	No additional data available
Persistence & Biodegradability	No additional data available
Bioaccumulation Potential	No additional data available
PBT Assessment Results	No additional data available
Precautions	Do not discharge to the environment especially not into waterways, sewers and the sea.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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14. TRANSPORT INFORMATION

Warning Icon	Not required The material is not covered by international regulations on the transport of dangerous goods (IATA, ADR/RID, IMDG etc).
Proper Shipping Name	Not applicable
UN No. Road	Not applicable
ADR Class	Not applicable
Hazard No (ADR)	Not applicable
Hazchem Code	Not applicable
UN No. SEA	Not applicable
IMDG Class	Not applicable
IMDG Pack Gr.	Not applicable
EMS	Not applicable
UN No. AIR	Not applicable
Air Class	Not applicable



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Air Pack Gr.	Not applicable
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15. REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

16. OTHER INFORMATION

Revision Date	05/2015
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	R43 May cause sensitisation by skin contact R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65 Harmful, may cause lung damage if swallowed
Hazard Statements in Full	H304 May be fatal if swallowed and enters airways H317 May cause an allergic skin reaction H412 Harmful to aquatic life with long-lasting effects.
Other Information	Complies with REACH guidance for SDS as circulated by ECHA 2011.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.