






Safety Data Sheet

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

Product Name	Thyme oil Red				
Biological Definition	Isolated by steam distillation from <i>Thymus zygis</i> L. var. <i>gracilis</i> (invariably included with <i>Thymus vulgaris</i> L.)				
INCI Name	Thymus vulgaris oil				
Synonyms & Trade Names	Thymus vulgaris oil; red thyme oil.				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No.	3064	FDA No.	§182.20	CoE No.	456
CAS-No	8007-46-3	EC No.	284-535-7	EINECS No.	284-535-7

02. HAZARDS IDENTIFICATION

Classification (1999/45)	C+N; R10-22-34-43-51/53-65, S24-26-28-36/37/39-45-61-62
Classification (EC 1272/2008)	UN-GHS: FL 3, ATO 4(1800), AH 1, SCI 1C, SS 1, EDI 1, EH A2,C2 EU-CLP: FL 3, ATO 4, AH 1, SCI 1, SS 1, EDI 1, EH A2,C2
Label in accordance with (EC) No 1272/2008	<div style="display: flex; justify-content: space-around; align-items: center;">      </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> GHS02 GHS05 GHS07 GHS08 GHS09 </div>
Signal Word	Danger
Contains	Thymol, p-cymene, carvacrol, linalool, pinenes, limonene
Hazard Statements	H226 Flammable liquid and vapour H302 Harmful if swallowed H304 May be fatal if swallowed and enters airways H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H318 Causes serious eye damage H411 Toxic to aquatic life with long lasting effects
Precautionary Statements	P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment P309/311 If exposed or if you feel unwell immediately call a POISON CENTRE of doctor/physician (deleted by IV ATP) P330 Rinse mouth P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplementary Precautionary Statements	P391 Collect spillage

Safety Data Sheet

PBT or vPvB according to Annex XIII	Not determined
Adverse physio-chemical properties	Combustible but will not self-ignite. Can be corrosive to metals.
Adverse effects on human health	Can cause serious skin/eye damage.

03. COMPOSITION/INFORMATION ON INGREDIENTS

50% Thymol UN-GHS: ATO 4(980); SCI 1C; EH A2,C2
18% para-Cymene UN-GHS: ATO 5(4750); SCI 3; EH A2,C2
3% Carvacrol UN-GHS: ATO 4(810); SCI 2; EDI 2A; SS 1
2.5% Linalool UN-GHS: ATO 5(3000), EDI 2A, EH A3,SCI2
2% beta-Caryophyllene UN-GHS: SCI 3
1.3% Myrcene UN-GHS: EDI 2A, SCI 2
1% Pinenes UN-GHS: ATO 5(3700), SCI 2, SS 1
1% alpha-Terpinene UN-GHS: ATO 4(1650); SCI 3; EH A2,C2
1% Borneol UN-GHS: SCI 3
1% Terpinen-4-ol UN-GHS: ATO 4(1300); ATD 5(2500); SCI 2, EDI 2A, EH A3
0.6% Limonene UN-GHS: SCI 2; SS 1; EH A1,C1

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.

Safety Data Sheet

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.
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	Mobile liquid
Colour	Brown to red-orange to red
Odour	Phenolic, herbaceous
Relative Density	0.910 to 0.940 @ 20°C
Flash Point (°C)	63 c/c
Refractive Index	1.495 to 1.510 @ 20°C
Melting Point (°C)	No additional data available
Boiling Point (°C)	190 @ 760 mm Hg
Vapour Pressure	No additional data available
Solubility in Water @20°C	Negligible
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. Avoid storage in unlined metal containers.
Hazardous Decomposition Products	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

Safety Data Sheet

11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute oral toxicity: orl-rat LD50: 2840 mg/kg. <i>Pharmazie</i> 14 , 435 (1959). Acute dermal toxicity: skn-rbt LD50 > 5000 mg/kg FCT 12 , 1003 (1974).
Skin corrosion / irritation	Category 1C according to UN-GHS following EC 1272/2008 guidelines
Serious eye damage / irritation	Category 1 according to UN-GHS & CLP following EC 1272/2008 guidelines
Respiratory or skin sensitisation	Skin sensitisation Category 1 according to UN-GHS & EU-CLP following EC 1272/2008 guidelines
Germ Cell Mutagenicity	Not listed as mutagenic
Carcinogenicity	Not listed as carcinogenic
Reproductive toxicity	Not reprotoxic
STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	Aspiration toxicity Category according to UN-GHS & EU-CLP following EC 1272/2008 guidelines
Photo-toxicity	Not photo-toxic
Other Information	None

12. ECOLOGICAL INFORMATION


Ecotoxicity	No weight-of-evidence summary available
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	Avoid discharge into the environment especially into waterways

13. DISPOSAL CONSIDERATIONS

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

Safety Data Sheet

14. TRANSPORT INFORMATION

Warning Icon	
Proper Shipping Name	FLAMMABLE LIQUID COSSOSIVE N.O.S (contains thyme, Thymus zygis)
UN No. Road	UN 2924
ADR Class	3
Hazard No (ADR)	Not found
Hazchem Code	Not found
UN No. SEA	UN 2924
IMDG Class	Class 3
IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-C
UN No. AIR	UN 2924
Air Class	Class 3
Air Pack Gr.	Pk Gp III

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	12/2014
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	R10: Flammable. R22: Harmful if swallowed. R34: Causes burns. R43: May cause sensitisation by skin contact.

Safety Data Sheet

	R51/53: Toxic 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	H226: Flammable liquid and vapour. H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H318 Causes serious eye damage H411: Toxic 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.