






01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING					
Product Name	Thyme Red Essential Oil				
Biological Definition	100% Pure Thyme Red Essential Oil, obtained by steam distillation of the fresh or partially dried flowering tops of Thymus vulgaris L. The oil is rich in phenolic compounds, primarily Thymol and Carvacrol, contributing to its characteristic intense herbal, spicy aroma and potent antimicrobial properties.				
INCI Name	Thymus Vulgaris Oil				
Botanical name	Thymus vulgaris				
Country of Origin	Spain				
Product use	Domestic and Industrial				
Synonyms & Trade Names	Thyme Red Oil, Red Thyme Essential Oil, Thymus vulgaris Oil, Oil of Thyme (Red Type)				
Supplier	West Coast Aromatics, 2701 Conestoga Dr Unit# 106 Carson City NV 89706 Nevada, USA Tel:+1-775-387-3000				
Emergency phone number	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No	N/A	FDA No.	N/A	CFR No.	N/A
CAS No	84929-51-1	EC No.	284-535-7	EINECS No.	284-535-7
02. HAZARDS IDENTIFICATION					
Classification (1999/45)	Xi: Irritant R36/38				
GHS: Classification (EC 1272/2008)	Flammable Liquid Cat. 3; Acute Toxicity Cat. 4; Skin Corrosion Cat. 1C; Eye Damage Cat. 1; Aspiration Hazard Cat. 1; Aquatic Chronic Cat. 2				
Labe in accordance with (EC) No1272/2008 Labe in accordance with (US) Labe in accordance with (CA)	<div></div> <div>Flammable Corrosive Aquatic Toxicity</div>				
Signal Word	Danger				
Contains	Thymol, Carvacrol				
Hazard Statements	H226 Flammable liquid and vapor. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H317 May cause allergic skin reaction. H411 Toxic to aquatic life with long-lasting effects.				
Precautionary Statements	P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P280 Wear protective gloves/protective clothing/eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water.				
Supplementary Precautionary Statements	P501 Dispose of contents/container in accordance with local regulations.				
PBT or vPvB according to Annex XIII	Not applicable				
Adverse physio-chemical properties	None known.				



Hygiene Measures	Wash hands with soap & water after handling
Control Parameters	Bornan-2-one

03. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	GHS Classification	Approx. Content
Thymol	89-83-8	Skin Corr. 1C; Eye Dam. 1; Acute Tox Oral 4; Aquatic Chronic 2	~45%
Carvacrol	499-75-2	Skin Corr. 1C; Eye Dam. 1; Acute Tox Oral 4; Aquatic Chronic 2	~12%
p-Cymene	99-87-6	Skin Irrit. 2; Eye Irrit. 2; Aquatic Chronic 2	~15%
Gamma-Terpinene	99-85-4	Skin Irrit. 2; Eye Irrit. 2; Aquatic Chronic 2	~10%
Linalool	78-70-6	Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1; Aquatic Acute 3	~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 vapors.
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.

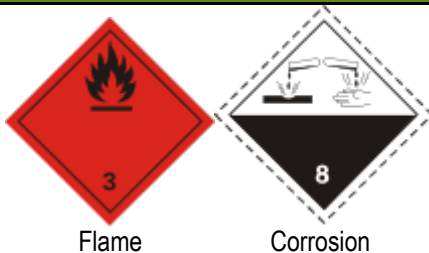
08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	  Goggles Gloves
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	As required. Avoid breathing product vapor.
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.



Eye Protection	Use safety glasses.
Other Protection	As required
Adverse effects on human health	May cause irritation to skin and eyes. May cause allergic reactions in sensitive individuals.
09. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Pale yellow to reddish yellow liquid
Color	Yellow to reddish
Odor	Characteristic thymol aroma
Specific Gravity	0.900 - 0.950 @ 20°C
Flash Point (°C)	38°C
Refractive Index	1.490 - 1.505 @ 20°C
Melting Point (°C)	Not available
Boiling Point (°C)	Not available
Vapor Pressure	Not available
Solubility in Water@20°C	Insoluble
Optical Rotation	-5.0° to +5.0° @ 20°C
Auto ignition temperature (°C)	Not available
10. STABILITY AND REACTIVITY	
Reactivity	No data available
Stability	Stable under normal conditions
Conditions to Avoid	Avoid heat, sparks, flames.
Material to Avoid	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides may form upon combustion.
11. TOXOLOGICAL INFORMATION	
Acute Toxicity	No data available.
Skin corrosion / irritation	May cause skin irritation or burns.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitization	May cause skin sensitization.
Germ Cell Mutagenicity	No data available for Thyme Red Essential Oil as a whole. Individual components like Thymol and Carvacrol have not shown mutagenic effects in standard tests (Ames test, etc.). Current evidence suggests **not classified as mutagenic**.
Carcinogenicity	Not classified as carcinogenic by IARC, NTP, OSHA, or the EU. Thymol and Carvacrol, The main components are **not listed as carcinogens**..
Reproductive toxicity	No data available.
STOT single exposure	No data available.
STOT repeated exposure	No data available.
Aspiration hazard	May be fatal if swallowed and enters airways.
Photo toxicity	No data available.
Other Information	This information is provided for safety purposes only and does not constitute a specification.



12. ECOLOGICAL INFORMATION	
Ecotoxicity	Toxic to aquatic life with long-lasting effects.
Mobility	Not determined.
Persistence & Biodegradability	Not readily biodegradable.
Bioaccumulation Potential	Not expected to bioaccumulate significantly.
PBT Assessment Results	Not classified as PBT or vPvB.
Precautions	Prevent entry into soil, waterways, and drains.
13. DISPOSAL CONSIDERATIONS	
Disposal Methods	Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
14. TRANSPORT INFORMATION	
Warning Icon	 Flame Corrosion
Proper Shipping Name	Flammable Liquid, Corrosive, n.o.s. (Thyme Oil)
UN No. Road	2924
ADR Class	3 (Flammable) + 8 (Corrosive)
Hazard No (ADR)	38
Hazchem Code	3WE
UN No. SEA	2924
IMDG Class	3 (Flammable) + 8 (Corrosive)
IMDG Pack Gr.	III
EMS	F-E, S-C
UN No. AIR	2924
Air Class	3 (Flammable) + 8 (Corrosive))
Air Pack Gr.	III
15. REGULATORY INFORMATION	
EU Directives	Complies with EC No 1272/2008 (CLP), REACH Regulation (EC) No 1907/2006, and related EU directives.
US Federal Regulations	TSCA Listed.
California Proposition 65	Contains beta-Myrcene, listed as carcinogen.
CANADA Regulations	WHMIS Compliant
Statutory Instruments	Complies with EU Regulation No 1907/2006 (REACH).
Approved Code of Practice	Not applicable.



Guidance Notes	Refer to guidelines for the transport of hazardous materials.
Revision Date	Jan 06, 2025
Rev No/Repl, SDS Generated	Rev 14 – Replaces previous SDS.
Risk Phrases in Full	R10: Flammable R22: Harmful if swallowed R34: Causes burns R36/38: Irritating to eyes and skin R43: May cause sensitization by skin contact R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Hazard Statements in Full	H226: Flammable liquid and vapor 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 H411: Toxic to aquatic life with long-lasting effects
Other Information	This SDS is for safety guidance only and does not represent a product specification. For professional use only.
Other Classification	Not classified as Dangerous Goods when shipped in limited quantities (per ADR, IMDG, IATA small package exemptions). Not listed as a carcinogen by IARC, NTP, or OSHA. This material contains naturally occurring allergens (e.g., Linalool, Limonene, Geraniol) that may trigger reactions in sensitive individuals.

Disclaimer & Caution

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