



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: Identification of the Substance and Company

Product Name: Red Thyme Essential Oil
Botanical Name: *Thymus vulgaris* L.
INCI Name: Thymus Vulgaris Oil
CAS No.: 8007-46-3
EC No.: 616-910-1
Plant Part Used: Flowering Tops and Leaves
Extraction Method: Steam Distillation
Chemotype: Thymol (Red Thyme)
Country of Origin: Spain / Morocco

Recommended Uses

- Fine Fragrance
- Cosmetic Ingredient
- Personal Care Products
- Aromatherapy
- Industrial Fragrance Applications

Supplier

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com
Email: info@aromology.com
Telephone: +971 505197601

SECTION 2: Hazard Identification

Classification (GHS/CLP)

- Flammable Liquid – Category 3
- Acute Toxicity (Oral) – Category 4
- Skin Corrosion – Category 1B
- Serious Eye Damage – Category 1
- Skin Sensitization – Category 1
- Aspiration Hazard – Category 1



- **Aquatic Chronic Toxicity – Category 2**

Signal Word

Danger

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.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

- P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- P261 Avoid breathing vapours.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing and eye/face protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or physician.
- P331 Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Remove contaminated clothing immediately. Rinse skin with 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.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local regulations.

The hazard classification is consistent with commercial SDSs for Red Thyme Essential Oil (CAS 8007-46-3).

SECTION 3: Composition / Information on Ingredients

Component	Information
Product	Red Thyme Essential Oil
Botanical Source	<i>Thymus vulgaris</i> L.
CAS No.	8007-46-3
EC No.	616-910-1
Composition	100% Natural Essential Oil

Typical Naturally Occurring Constituents

- Thymol (35–60%)
- *p*-Cymene (10–25%)
- γ -Terpinene (5–15%)



- Carvacrol (1–8%)
- Linalool
- β -Myrcene
- α -Pinene
- Terpinen-4-ol

These constituents are characteristic of the thymol chemotype ("Red Thyme") essential oil.

SECTION 4: First Aid Measures

Inhalation

Move affected person to fresh air.

Obtain medical attention if symptoms persist.

Skin Contact

Immediately wash with soap and plenty of water.

Remove contaminated clothing.

Seek medical attention if irritation or burns develop.

Eye Contact

Immediately flush eyes with clean water for at least 15 minutes.

Seek immediate medical attention.

Ingestion

Do NOT induce vomiting.

Immediately contact a physician or poison centre.

Most Important Symptoms

- Severe skin burns
- Serious eye damage
- Allergic skin reaction
- Gastrointestinal irritation
- Aspiration hazard

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media



- Dry chemical powder
- Carbon dioxide
- Alcohol-resistant foam
- Water spray (for cooling containers)

Unsuitable Extinguishing Media

- High-pressure water jet

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating smoke
- Phenolic fumes

Protective Equipment

Self-contained breathing apparatus (SCBA) and full protective clothing.

SECTION 6: Accidental Release Measures

- Eliminate all ignition sources.
- Wear suitable PPE.
- Prevent product from entering drains and waterways.
- Absorb with inert material such as sand or vermiculite.
- Dispose according to local regulations.

SECTION 7: Handling and Storage

Handling

- Handle in well-ventilated areas.
- Avoid breathing vapours.
- Avoid contact with skin and eyes.
- Keep away from heat, sparks and flames.

Storage

Store in tightly closed original containers.

Protect from:

- Heat
- Direct sunlight
- Oxidizing agents
- Moisture



Recommended Storage Temperature: 15–25 °C.

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Adequate local exhaust ventilation.

Eye Protection

Chemical safety goggles.

Hand Protection

Chemical-resistant nitrile gloves.

Respiratory Protection

Organic vapour respirator when ventilation is insufficient.

Skin Protection

Protective clothing recommended.

SECTION 9: Physical and Chemical Properties

Property	Value
Appearance	Clear mobile liquid
Colour	Pale yellow to reddish brown
Odour	Strong herbal, spicy, warm, phenolic
Physical State	Liquid
Flash Point	Approximately 55 °C
Relative Density (20 °C)	0.900–0.940
Refractive Index (20 °C)	1.490–1.510
Optical Rotation	-5° to +5°
Solubility	Insoluble in water
Solubility in Ethanol	Soluble

Typical physical properties are consistent with Red Thyme Essential Oil specifications.

SECTION 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid



- Heat
- Flames
- Sparks
- Strong oxidizing agents

Hazardous Decomposition Products

- Carbon monoxide
- Carbon dioxide

SECTION 11: Toxicological Information

Likely routes of exposure:

- Skin
- Eyes
- Inhalation
- Ingestion

Potential health effects:

- Severe skin burns
- Serious eye damage
- Skin sensitization
- Harmful if swallowed
- Aspiration hazard if swallowed

SECTION 12: Ecological Information

- Toxic to aquatic organisms with long-lasting effects.
- Prevent uncontrolled release into the environment.
- Biodegradable under normal environmental conditions, although concentrated releases should be avoided.

SECTION 13: Disposal Considerations

Dispose through an authorized waste disposal contractor.

Do not discharge into drains or waterways.

Dispose in accordance with applicable local and national regulations.

SECTION 14: Transport Information

Item	Information
UN Number	UN 1993
Proper Shipping Name	Flammable Liquid, N.O.S. (Contains Thyme Oil)



Item	Information
Transport Hazard Class	3
Packing Group	III
Marine Pollutant	Yes

Transport classification is consistent with supplier SDS documentation for Red Thyme Essential Oil.

SECTION 15: Regulatory Information

Prepared in accordance with:

- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP)
- Globally Harmonized System (GHS)

Contains naturally occurring fragrance allergens that may require declaration under applicable cosmetic regulations.

SECTION 16: Other Information

This Safety Data Sheet provides guidance for the safe handling, storage, transport, and professional use of Red Thyme Essential Oil (CAS 8007-46-3). The information is based on current industry knowledge, published supplier safety data, and internationally recognized regulatory guidance.

Authorised by

Fozia Khot

Director

Aromology Trading LLC