



Safety Data Sheet

Regulation (EC) N° 1907/2006

Red Thyme Essential Oil

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier Red Thyme Essential Oil.

Synonyms: Thyme, *Thymus zygis*, ext.

Registration number (REACH): 01-2120768771-44-0006

CAS: 85085-75-2 / 8007-46-3

EC-No: 285-397-0

FEMA: 3064

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture: Raw material for the manufacture of fragrances and/or aromas.

Uses advised against: Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet

Company: AROMATICAS DEL ZALABÍ S.L.
C/ Martín Pérez de Ayala 1-4 E - 18008 Granada. Spain.

Telephone Number: +34 968 786977

Email address: info@zalabi.com

Emergency telephone number: +34 91 114 2520 (NCEC Spain, 24h)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture.

Classification in accordance with Regulation (EC) No 1272/2008

Flammable liquids, Hazard Category 3; H226



Skin corrosion/irritation, Hazard Category 1B; H314

Serious eye damage/eye irritation, Hazard Category 1; H318

Sensitisation — Skin, Hazard Category 1; H317

Reproductive toxicity, Hazard Category 2; H361

Aspiration hazard, Hazard Category 1; H304

Long-term (chronic) aquatic hazard, category chronic 2; H411

2.2 Label elements

EC-No: 285-397-0

Thyme, *Thymus Zygis*, ext.



GHS02



GHS05



GHS07



GHS08



GHS09

Signal word: **Danger**

Hazard Statements:

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H361: Suspected of damaging fertility or the unborn child.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention:

P201: Obtain special instructions before use.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:



P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

Disposal:

P501: Dispose of contents/container to an approved waste disposal.

2.3 Other hazards

Results of PBT and vPvB assessment

The product does not contain substances identified as PBT and/or vPvB in a concentration equal to or greater than 0.1% (w/w).

Environmental endocrine disrupting properties

The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal to or greater than 0.1% (w/w).

Human health endocrine disrupting properties

The product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0.1% (w/w).

SECTION 3: Composition/information on ingredients

3.1 Substances

Concentration range of the constituent (% weight/weight)	EC-No / Registration number	CAS	Chemical name
100 %	285-397-0 01-2120768771-44-0006	85085-75-2	Thyme, <i>Thymus zygis</i> , ext.

The chemical identity of individual constituents of the substance/mixture

Concentration (%)	CAS	EC-No	Chemical name	Hazard Class and Category Code; Hazard statement codes
< 55.0	89-83-8	201-944-8	thymol	Acute Tox. 4;H302-Skin Corr. 1B;H314-Eye Dam. 1;H318-



Concentration (%)	CAS	EC-No	Chemical name	Hazard Class and Category Code; Hazard statement codes
				Aquatic Chronic 2;H411 ^[1]
< 28.0	99-87-6	202-796-7	p-cymene	Flam. Liq. 3;H226-Acute Tox. 3;H331-Asp. Tox. 1;H304-Aquatic Chronic 2;H411- Repr. 2;H361 ^[1]
< 13.0	99-85-4	202-794-6	p-mentha-1,4-diene	Flam. Liq. 3;H226-Asp. Tox. 1;H304-Aquatic Chronic 2;H411- Repr. 2;H361 ^[1]
< 6.5	78-70-6	201-134-4	linalool	Skin Irrit. 2;H315- Eye Irrit. 2;H319- Skin Sens. 1B;H317 ^[1]
< 5.5	499-75-2	207-889-6	carvacrol	Acute Tox. 4;H302-Skin Irrit. 2;H315- Eye Irrit. 2;H319- Skin Sens. 1B;H317 ^[1]

[1] Constituent.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Consumption: If swallowed, rinse mouth with water.
Seek medical advice immediately and show this container or label.
Keep the person at rest. Do NOT induce vomiting.
- Eye contact: Contact lenses should be removed.
Hold eyelids open and flush with copious amounts of clean, fresh water and seek medical advice.
- Inhalation: Remove person to fresh air and keep at rest.
- Skin contact: Remove contaminated clothing.
Wash skin with mild soap and water, rinse abundantly.
If symptoms persist, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

This product can be irritating or corrosive to the respiratory tract, eyes and skin. It may cause permanent eye injury. Corroive to mouth, throat and stomach.

Causes serious eye damage (irreversible affects on the eye).



May produce an allergic reaction (rash, urticaria).

Aspiration hazard. May cause lung damage if swallowed (aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration).

Read label before use. No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Carbon dioxide, dry chemical powder or appropriate foam.

For safety reasons do not use water jet.

5.2 Special hazards arising from the substance or mixture

Not applicable.

5.3 Advice for firefighters

In case of fire in the surrounding areas, follow the recommendations below:

Closed containers may build up pressure at elevated temperatures.

Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.

Prevent run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition.

Wear appropriate gloves to prevent skin exposure.

Avoid breathing vapours. Use a suitable respiratory apparatus if necessary.

Avoid contact with eyes and skin.

Maintain adequate ventilation in the working area after spilling.

6.2 Environmental precautions



Avoid contaminating the environment via the sewers or water sources.

6.3 Methods and material for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

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

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from food, drink and animal feedingstuffs. Do not smoke.

Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light.

Store in accordance with local/national regulations and follow the warnings on the label.

Keep away from incompatible substances (see section 10).

7.3 Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits: Declaration of substances is not required.

8.2 Exposure controls

Personal protection equipment: Appropriate personal protective equipment shall be worn in accordance with Regulation (EU) 2016/425.



Eye/Face protection:	Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
Respiratory Protection:	Use personal breathing apparatus whenever deemed necessary.
Skin Protection:	Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Rinse and remove gloves immediately after use. Wash hands with soap and water thoroughly after handling.
Engineering Controls-Ventilation:	The areas where the product is handled and stored should be adequately ventilated.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid (volatile).
Colour:	Yellow to red.
Odour:	Aromatic, phenolic, slightly spicy.
Odour threshold:	Not determined.
Melting/freezing point:	Not determined.
Boiling point:	Not determined.
Density:	0.910 to 0.937 (g/ml) (20 °C)
Vapor pressure:	Not determined.
Partition coef. N-octanol/water:	Not determined.
Water solubility:	INSOLUBLE IN WATER.
Solubility in other solvents:	SOLUBLE IN ETHANOL.
Surface tension:	Not determined.
Flash point at 101 325 Pa:	55 °C
Self-ignition at 101 325 Pa:	366 °C
Flammability:	Flammable.
Explosiveness:	Not explosive.
Oxidizing properties:	Not oxidizing.



Stability:	Not determined.
pH:	Not determined.
Dissociation constant:	Not determined.
Viscosity:	Not determined.
Evaporation rate:	Not determined.
Vapor density:	Not determined.

9.2 Other information

Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not available

10.2 Chemical stability

Stable under normal operating conditions.

10.3 Possibility of hazardous reactions

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

10.4 Conditions to avoid

Excessive heat, flames and other sources of ignition.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008

See also sections 2 and 3.



Acute toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
Skin corrosion/irritation:	This substance does meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
Serious eye damage/irritation:	This substance does meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
Respiratory or skin sensitisation:	This substance does meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
Germ cell mutagenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
Carcinogenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
Reproductive toxicity:	This substance does meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
STOT-single exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
STOT-repeated exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
Aspiration toxicity:	This substance does meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.

11.2 Information on other hazards

Endocrine disrupting properties:	This product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0.1% (w/w).
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SECTION 12: Ecological information

12.1 Toxicity

Short-term (acute) aquatic hazard:	This substance does not meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.
Long-term (chronic) aquatic hazard:	This substance does meet the criteria for classification in accordance with Regulation (EC) N° 1272/2008.

12.2 Persistence and degradability

Not available.



12.3 Bioaccumulative potential

Not determined.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

The product does not contain substances identified as PBT and/or in a concentration equal to or greater than 0.1% (w/w).

12.6 Endocrine disrupting properties

The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal or greater than 0.1% (w/w).

12.7 Other adverse effects

Not available.

Do not allow the material to enter streams, sewers or other waterways.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Container disposal: Do not reuse empty containers. Containers must be disposed of as hazardous waste.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

SECTION 14: Transport information

International Carriage of Dangerous Goods by Road (ADR)

14.1 UN No.	UN2920
14.2 Proper shipping name	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Contains Thyme, <i>Thymus zygis</i> extract)
14.3 Class	8 (3)
14.4 Packing Group	II



14.6 Special precautions for user

Tunnel restriction code (D/E)

Label



Sea Transport

- 14.1 UN No. UN2920
- 14.2 Proper shipping name CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Contains Thyme, *Thymus zygis* extract)
- 14.3 Class 8 (3)
- 14.4 Packing Group II
- 14.5 Marine pollutant Yes

14.6 Special precautions for user

IMDG-Code -

EmS F-E, S-C

Label



14.7 Maritime transport in bulk according to IMO instructions

Transport in bulk according to
Annex II of Marpol and the IBC Code: Not applicable.

Air Transport (ICAO/IATA)

- 14.1 UN No. UN2920
- 14.2 Proper shipping name CORROSIVE LIQUID, FLAMMABLE, N.O.S.
(Contains Thyme, *Thymus zygis* extract)
- 14.3 Class 8 (3)
- 14.4 Packing Group II



14.6 Special precautions for user

Passenger aircraft: Accepted

Cargo aircraft Accepted

Label



SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Substances of very high concern: The product does not contain substances included in the Substances of Very High Concern list (> 0.1% w/w).

15.2 Chemical safety assessment

Not available.

SECTION 16: Other information

This material should only be used for industrial purposes

Key literature references and sources of data:

- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization 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.
- Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work).

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