



MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **Thyme oil White, Organic**

SUPPLIER: Amphora Aromatics Ltd, 36 Cotham Hill, Cotham, Bristol BS6 6LA

Telephone +44 (0)117-9087770.

2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Obtained by the steam distillation of the flowering plant *Thymus vulgaris* (Fam. *Lamiaceae*).

H-No: 3301.29

CAS No: 84929-51-1

Status: natural

CoE No: 456

FEMA: 3065

Additives: none

FDA: 182.20

IFRA: not restricted

Application: Aromatherapy, Cosmetics, Skincare, Haircare, Candles, Soaps, Perfumery.

RIFM: monograph

EINECS: 284-535-7

RTECS:

INCI name: THYMUS VULGARIS

FCCIV: official

3. HAZARDS IDENTIFICATION:

Xi irritant

R10 Flammable

4. FIRST-AID MEASURES:

INHALATION:

Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT:

Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

SKIN CONTACT:

Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION:

Rinse mouth out with water. Seek medical advice **immediately**.

OTHER:

When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA

RECOMMENDED:

Use CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES:

Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES:

Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS:

Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS:

Keep away from drains, soils, surface & groundwaters.

CLEANING UP METHODS

Remove all potential ignition sources. Contain spilled material. Cover



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FOR SPILLAGES: with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

STORAGE CONDITION: 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.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK/HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR: Colourless to pale yellow

APPEARANCE: Mobile liquid

ODOUR: Characteristic, described as spicy -phenolic

FLASH-POINT °C: 55-63

SPECIFIC GRAVITY: 0.8800 to 0.9390

REFRACTIVE INDEX @ 20°C: 1.485 to 1.507

SOLUBILITY IN 80% ETHANOL @ 20°C: Soluble 1+ 2 max.

SOLUBILITY IN VEGETABLE OILS: Soluble

SOLUBILITY IN WATER: Insoluble

ADDITIONAL DATA:

TYPICAL ANALYSIS: CONTAINS α -PINENE, β -PINENE, CAMPHENE, SABINENE, MYRCENE, α -TERPINENE, LIMONENE, 1,8-CINEOL, γ -TERPINENE, P-CYMENE, δ -3-CARENE, α -PELLANDRENE, TERPINOLENE, β -CARYOPHYLLENE, GERMACRENE-D, β -BISABOLENE, δ -CADINENE, α -HUMULENE, 3-OCTANOL, LINALOL, TERPINEN-4-OL, α -TERPINEOL, GERANIOL, BORNEOL, P-CYMEN-8-OL, BORNYL ACETATE, α -TERPINYL ACETATE, THYMOL, CARVACROL, AMONGST OTHERS.

10. STABILITY & REACTIVITY.

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXICOLOGICAL INFORMATION.

Moderate dermal irritant; strong mucous membrane irritant. Acute oral LD₅₀: 4.7g/Kg. Thyme oil (red): see RIFM monograph (1974) *FCT* 12, 1003, Special Issue 1 (Binder p704).

12. ECOLOGICAL INFORMATION.

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.



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13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS.

ROAD (ADR/RID): Class 3 Item 31/c RID No 301; ADR RN N/2301
AIR (IATA/ICAO): Class 3 Packing group III
SEA (IMDG): Class 3
CHIP: See Section 15.

15. REGULATORY INFORMATION. According to Directive 88/379/EEC

HAZARDS: Irritant
SYMBOLS: Xi
RISK PHRASES: R38: Irritating to skin
R10: Flammable liquid
SAFETY PHRASE: S24/25 Avoid contact with skin & eyes.

16. OTHER INFORMATION.

UN 1993 Flammable Liquid n.o.s. applies

PACKAGING:

| Type | Suitability |
|-------------------------|-------------|
| Glass | Yes |
| Lacquer lined steel/tin | Yes |
| Aluminium | Yes |
| HPPE | No |
| F/HDPE | Yes |
| Other plastic | No |

SHELF-LIFE

Min 12 months when stored within advised conditions.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 6 months.

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