

# MATERIAL SAFETY DATA SHEET.

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **THYME OIL WHITE**

SUPPLIER: Norfolk Trading, 1 Rigby's Court, Norwich NR2 1NT UK

Telephone +44 (0)1603 610 883

## 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,<br>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 <b>immediately</b> .   |
| OTHER:        | When assessing action take Risk & Safety Phrases into account (Section 15)   |

## 5. FIRE FIGHTING MEASURES.

|                                     |   |
|-------------------------------------|---|
| EXTINGUISHING MEDIA<br>RECOMMENDED: | Use CO <sub>2</sub> , 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 FOR SPILLAGES: Remove all potential ignition sources. Contain spilled material. Cover 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  $\alpha$ -PINENE,  $\beta$ -PINENE, CAMPHENE, SABINENE, MYRCENE,  $\alpha$ -TERPINENE, LIMONENE, 1,8-CINEOL,  $\gamma$ -TERPINENE, P-CYMENE,  $\delta$ -3-CARENE,  $\alpha$ -PELLANDRENE, TERPINOLENE,  $\beta$ -CARYOPHYLLENE, GERMACRENE-D,  $\beta$ -BISABOLENE,  $\delta$ -CADINENE,  $\alpha$ -HUMULENE, 3-OCTANOL, LINALOL, TERPINEN-4-OL,  $\alpha$ -TERPINEOL, GERANIOL, BORNEOL, P-CYMNEN-8-OL, BORNYL ACETATE,  $\alpha$ -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 LD<sub>50</sub>: 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.

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

### **16. OTHER INFORMATION.**

UN1169: 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.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.