



Absolute Aromas Limited  
2 Grove Park  
Mill Lane  
Alton  
Hampshire  
GU34 2QG  
Phone: +44 (0) 1420 540 400  
Fax: +44 (0) 1420 540 401  
Email: [oils@absolute-aromas.com](mailto:oils@absolute-aromas.com)

**MATERIAL SAFETY DATA SHEET FOR**  
**Marjoram Oil (Spanish)**  
*Thymus Masticina, Product Reference T225*  
*EINECS CAS 84837-14-9 USA CAS 8016-33-9*

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**1. CHEMICAL COMPOSITION: INCLUDING HAZARDOUS COMPONENTS:**

This Essential Oil is produced by steam distillation of the flowering tops of *Thymus Masticina* and consists of Terpenes and Carvacrol.

The oil is classified as hazardous.

**2. HAZARDOUS IDENTIFICATION:**

This product is required to be labelled according to the regulation 96/54/EC governing hazardous substances. The Hydrocarbon content is 20-25%.

**3. FIRST AID PROCEDURES:**

**Skin Contact:** Rinse with running water. Remove contaminated clothing.  
**Eye Contact:** Rinse with sterile water or an approved eyewash solution for 15 minutes.  
**Inhalation:** Move to fresh air and rest.  
**Ingestion:** If swallowed do not induce vomiting, seek medical advice and show the label or container.

**4. FIRE FIGHTING PROCEDURES:**

**Suitable Extinguishers:** Normal extinguishers can be used (CO<sub>2</sub>, powders, foams, halogens).  
**Unsuitable Extinguishers:** Direct water jet.  
**Fire Hazard:** Products of combustion – Oxides of Carbon.

**5. ACCIDENTAL RELEASE PROCEDURES:**

**Safety Clothing:** Wear clothing suitable for an emergency.  
**Environmental Precautions:** Contain the leak with earth or sand. Prevent from entering drains and sewers; if this cannot be done advise the local authority.  
**Clean Up Procedure:** Absorb spillage onto sand or earth. Transfer to a suitable container for disposal.

**6. HANDLING & STORAGE PROCEDURES:**

**Handling:** Avoid spillage and eye contact (gloves and goggles recommended).  
**Ventilation:** Good general ventilation required.  
**Storage Conditions:** Store at ambient temperature in a dark container. Store away from oxidizing substances e.g. Bleach. Store in full containers; Stainless Steel for bulk or glass for small quantities.

**7. EXPOSURE CONTROL/PERSONAL PROTECTION:**

**Respiratory:** Use only in well ventilated areas. Use protection in poor ventilation.  
**Hand Protection:** Wear gloves.  
**Eye Protection:** Wear goggles  
**Skin Protection:** Wear suitable protection clothing

## 8. PHYSICAL & CHEMICAL PROPERTIES:

|                     |  |
|---------------------|--|
| Appearance:         | Mobile Liquid.   |
| Odour:              | Marjoram.  |
| Colour:             | Water White – Pale Straw.  |
| Solubility:         | a. Solvent – Soluble<br>b. Alcohol – Soluble<br>c. Water – Insoluble |
| Boiling Point:      | Not reported.  |
| Flash Point:        | 59°C. C.O.C.   |
| Specific Gravity:   | 20°C 0.904 – 0.919.  |
| Vapour Pressure mm: | Not reported.  |

## 9. REACTIVITY & STABILITY:

The oil is stable under normal storage conditions. After opening, the oil is prone to air oxidation and may start to deteriorate after twelve months.

|                        |                   |
|------------------------|-------------------|
| Synergistic Reaction:  | Not reported.     |
| Materials to avoid:    | Oxidizing agents. |
| Polymerisation Hazard: | None.             |

## 10. TOXICOLOGICAL INFORMATION:

### *Hazardous Effects*

|               |   |
|---------------|---|
| Inhalation:   | Hazardous.  |
| Skin Contact: | Concentrated oil can cause degreasing with some irritation. |
| Eye Contact:  | Irritant.   |
| Ingestion:    | Harmful if swallowed.                                       |

## 11. ECOLOGICAL DATA

This is a degradable product, however, do not release directly into the environment.

## 12. DISPOSAL METHODS:

Recover the product where possible or bury in authorised landfill sites according to local authority regulations.

## 13. TRANSPORT REGULATIONS:

|                       |                                  |
|-----------------------|----------------------------------|
| Road:                 | Xn – Hazardous. R10 – Flammable. |
| Rail:                 | Xn – Hazardous. R10 – Flammable. |
| Air:                  | Xn – Hazardous. R10 – Flammable. |
| UN-No:                | 1169                             |
| Proper Shipping Name: | Extracts, Aromatic, Liquid       |
| IMDG Class:           | 3                                |
| Packing Group         | III                              |

## 14. REGULATORY INFORMATION:

|                        |                    |
|------------------------|--------------------|
| Labels for Conveyance: | Xn. R10.           |
| Labels for Supply:     | Xn. R10. R65. S62. |

## 15. FURTHER INFORMATION:

**Whilst Absolute Aromas Ltd give the above advice in good faith, it is not intended to be a substitute for customers own testing to ascertain good safety procedures.**

**These regulations were designed for handling bulk products and to readily identify Toxic & Safety Data.**

**Safety information is under continuous review.**