SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: ORIGANUM (THYMUS CAPITATUS) ESSENTIAL OIL
Product Code: 0025
Chemical Name: Origanum, Thymus capitatus, oil
Botanical Name: Thymus capitatus L.
INCI Name: Thymus capitatus herb oil
CAS No: 90131-59-2
EC No: 290-371-7

1.2 Relevant identified uses of the substance and uses advised against.

Used as an ingredient in perfumery or similar.
Uses advised against:
Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: LABDASSENCE
Address: C/ Antonio Gómez Millán, nº 29, Parque Tecnológico Citec
City: 41120, Gelves
Province: Sevilla
Telephone: +34 955439492
E-mail: labdassence@labdassence.com

1.4 Emergency telephone number: +34 955439492 (Only available during office hours; Monday-Friday; 09:00-18:30)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance.

In accordance with Regulation (EU) No 1272/2008:
  Acute Tox. 4 : Harmful if swallowed.
  Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.
  Asp. Tox. 1 : May be fatal if swallowed and enters airways.
  Eye Irrit. 2 : Causes serious eye irritation.
  Skin Irrit. 2 : Causes skin irritation.
  Skin Sens. 1 : May cause an allergic skin reaction.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:
Pictograms:

Signal Word:
Danger

H statements:
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
P statements:

- **P261** Avoid breathing dust/fume/gas/mist/vapours/spray.
- **P273** Avoid release to the environment.
- **P280** Wear protective gloves and eye protection.
- **P301+P310** IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- **P331** Do NOT induce vomiting.
- **P501** Dispose of contents/container in accordance with all local and national regulations.

Contains:

- **Origanum, Thymus capitatus, oil**

2.3 Other hazards.
In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

#### 3.1 Substances.

**UVCB (Substance of Unknown or Variable composition, Complex reaction products or Biological materials).**

- **Chemical Name:** Origanum, Thymus capitatus, oil
- **CAS No:** 90131-59-2
- **EC No:** 290-371-7

#### 3.2 Mixtures.
Not Applicable.

### SECTION 4: FIRST AID MEASURES.

**IRRITANT PREPARATION.** Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

#### 4.1 Description of first aid measures.

- **Inhalation.**
  - Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

- **Eye contact.**
  - Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

- **Skin contact.**
  - Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

- **Ingestion.**
  - If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed.

- **Irritant Product,** repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

- **Harmful Product,** prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance. It may cause an allergic reaction, dermatitis, redness or inflammation of the skin.

#### 4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Do not induce vomiting. If the person vomits, clear the respiratory tract.
SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

5.1 Extinguishing media.
**Suitable extinguishing media:**
Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

**Unsuitable extinguishing media:**
Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance.
**Special risks:**
Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.
Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment.

**Fire protection equipment.**
According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.
For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.
Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.
Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections.
For exposure control and individual protection measures, see section 8.
For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.
For personal protection, see section 8.
In the application area, smoking, eating, and drinking must be prohibited.
Follow legislation on occupational health and safety.
Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.
Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35°C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

-Continued on next page.-
The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).
Not available.

SECTION 8: EXPOSURE CONTROLS/PERSOAL PROTECTION.

8.1 Control parameters.
The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Measures of a technical nature:
Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

<table>
<thead>
<tr>
<th>Concentration:</th>
<th>100 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses:</td>
<td>Used as an ingredient in perfumery or similar</td>
</tr>
<tr>
<td>Breathing protection:</td>
<td>Filter mask for protection against gases and particles.</td>
</tr>
<tr>
<td>Characteristics:</td>
<td>«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.</td>
</tr>
<tr>
<td>CEN standards:</td>
<td>EN 136, EN 140, EN 405</td>
</tr>
<tr>
<td>Maintenance:</td>
<td>Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.</td>
</tr>
<tr>
<td>Observations:</td>
<td>Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.</td>
</tr>
<tr>
<td>Filter Type needed:</td>
<td>A2</td>
</tr>
</tbody>
</table>

Hand protection:

| PPE: | Protective gloves against chemicals. |
| Characteristics: | «CE» marking, category III. |
| CEN standards: | EN 374-1, En 374-2, EN 374-3, EN 420 |
| Maintenance: | Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives. |
| Observations: | Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands. |
| Material: | PVC (polyvinyl chloride) |
| Breakthrough time (min.): | > 480 |
| Material thickness (mm): | 0.35 |

Eye protection:

| PPE: | Protective goggles with built-in frame. |
| Characteristics: | «CE» marking, category II. Eye protector with built-in frame for protection against splashing liquid, dust, smoke, fog and vapour. |
| CEN standards: | EN 165, EN 166, EN 167, EN 168 |
| Maintenance: | Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions. |
| Observations: | Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc. |

Skin protection:

| PPE: | Protective clothing. |
| Characteristics: | «CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements. |
| CEN standards: | EN 340 |
| Maintenance: | In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer. |
| Observations: | The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use. |

| PPE: | Work footwear. |
| Characteristics: | «CE» marking, category II. |
| CEN standards: | EN ISO 13287, EN 20347 |

-Continued on next page.-
MAINTENANCE:
This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.

OBSERVATIONS:
Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.
- **Appearance:** Liquid
- **Colour:** Yellow / brown
- **Odour:** Characteristic, aromatic, phenol
- **Odour threshold:** N.A./N.A.
- **pH:** N.A./N.A.
- **Melting point:** N.A./N.A.
- **Boiling Point:** 239 ºC
- **Flash point:** 65 ºC
- **Evaporation rate:** N.A./N.A.
- **Inflammability (solid, gas):** N.A./N.A.
- **Lower Explosive Limit:** N.A./N.A.
- **Upper Explosive Limit:** N.A./N.A.
- **Vapour pressure:** N.A./N.A.
- **Vapour density:** N.A./N.A.
- **Relative density:** 0,930-0,955
- **Solubility:** N.A./N.A.
- **Liposolubility:** N.A./N.A.
- **Hydrosolubility:** N.A./N.A.
- **Partition coefficient (n-octanol/water):** N.A./N.A.
- **Auto-ignition temperature:** N.A./N.A.
- **Decomposition temperature:** N.A./N.A.
- **Viscosity:** N.A./N.A.
- **Explosive properties:** N.A./N.A.
- **Oxidizing properties:** N.A./N.A.

N.A./N.A. = Not Available/Not Applicable due to the nature of the product

9.2 Other information.
- **Pour point:** N.A./N.A.
- **Blink:** N.A./N.A.
- **Kinematic viscosity:** N.A./N.A.

N.A./N.A. = Not Available/Not Applicable due to the nature of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.
The product does not present hazards by their reactivity.

10.2 Chemical stability.
Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions.
The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.
Avoid any improper handling.

10.5 Incompatible materials.
Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.
No decomposition if used for the intended uses.

- Continued on next page -
SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT PREPARATION. Splatters in the eyes can cause irritation.
IRRITANT PREPARATION. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

11.1 Information on toxicological effects.
There are no tested data available on the product. Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin. Splatters in the eyes can cause irritation and reversible damage.

a) acute toxicity;
Product classified:
Acute toxicity (Oral), Category 4: Harmful if swallowed.

Acute Toxicity Estimate (ATE):
Substances:
ATE (Oral) = 500 mg/kg

b) skin corrosion/irritation;
Product classified:
Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;
Product classified:
Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;
Product classified:
Skin sensitisier, Category 1: May cause an allergic skin reaction.

e) germ cell mutagenicity;
Not conclusive data for classification.

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;
Not conclusive data for classification.

h) STOT-single exposure;
Not conclusive data for classification.

i) STOT-repeated exposure;
Not conclusive data for classification.

j) aspiration hazard;
Product classified:
Aspiration toxicity, Category 1: May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.
There is no information available on the biodegradability of the substances present.

12.2 Persistence and degradability.
There is no information available on the degradability of the substances present. No information is available regarding the degradability. No information is available about persistence and degradability of the product.
12.3 Bioaccumulative potential.
No information is available regarding the bioaccumulation.

12.4 Mobility in soil.
No information is available about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.
No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects.
No information is available about other adverse effects for the environment.

SECTION 13 DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.
Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product’s spillage, proceed in accordance with point 6.

14.1 UN number.
Transportation is not dangerous.

14.2 UN proper shipping name.
Description:
ADR: Transportation is not dangerous.
IMDG: Transportation is not dangerous.
ICAO/IATA: Transportation is not dangerous.

14.3 Transport hazard class(es).
Transportation is not dangerous.

14.4 Packing group.
Transportation is not dangerous.

14.5 Environmental hazards.
Transportation is not dangerous.

14.6 Special precautions for user.
Transportation is not dangerous.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.
Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

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

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A
The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.
The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Classification codes:
- Acute Tox. 4 : Acute toxicity (Oral), Category 4
- Aquatic Chronic 3 : Chronic effect to the aquatic environment, Category 3
- Asp. Tox. 1 : Aspiration toxicity, Category 1
- Eye Irrit. 2 : Eye irritation, Category 2
- Skin Irrit. 2 : Skin irritant, Category 2
- Skin Sens. 1 : Skin sensitiser, Category 1

Sections changed compared with the previous version:
1,9,14,16

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:
- CEN: European Committee for Standardization.
- PPE: Personal protection equipment.

Key literature references and sources for data:


The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.