



## **OREGANO OIL** **MATERIAL SAFETY DATA SHEET**

### **1. Product Identification:**

Product Name: OREGANO OIL

Botanical Name: Origanum vulgare

Synonyms: Origanum vulgare L. ssp. gracile (K. Koch) Ietsw.,  
Origanum tyttanthum Gontsch.

INCI Name: Origanum vulgare leaf oil

CAS #: 8007-11-2

County of Origin: INDIA

### **2. Classification:**

Chemical Identification: Oils, origanum

UN No. 1169: Liquid aromatic extract. Packaging Group: III Class: 3

### **3. Hazardous Ingredients Information:**

Carvacrol (CAS# 207-889-6) – toxic. Risk phrase: R22, R65, R38

### **4. Physical & Chemical Properties:**

Appearance: yellow to reddish yellow liquid.

Odor: Characteristic pungent warm spicy odor.

Solubility: Soluble in alcohol and oils. Insoluble in water.

Specific Gravity: 0.9350 – 0.9710 @ 25°C

Optical Rotation: -5.0 – +5.0 @ 25°C

Refractive Index: 1.5080 – 1.5200 @ 20°C

Carvacrol: 65 – 80 %

Thymol: 0.5 – 7.5 %

Acid Value: < 1.0

Extraction Method: Steam distillation of the herb.

Contents: Carvacrol, Thymol, Limonene, Tterpinene, Ocimene, Caryophyllene,  
β-bisabolene, *p*-cymene, linalool, 4-terpineol

Flash Point: 145 °C



## 5. Fire/Explosion Hazard:

Flash Point: 61 °C closed cup

Combustible liquid. Will ignite if moderately heated

## 6. Reactivity/Stability Data:

**Reactivity:** Stable.

**Decomposition:** When heated to decomposition produces toxic fumes/carbon monoxide smoke.

## 7. Toxicological Properties/Information:

Acute Oral (rats), LD<sub>50</sub> > 1850 mg/kg

Acute Dermal (rabbits), LD<sub>50</sub> > 320 mg/kg

Very hazardous in case of eye contact (irritant) - Inflammation of the eye is characterized by redness, watering, and itching. Mucus membrane irritant.

Hazardous in case of skin contact (irritant, permeator), ingestion and inhalation – skin irritant. Severe over-exposure can result in death.

## 8. Preventive Data:

**Spillage:** Absorb spills, cover with an inert, non-combustible, inorganic absorbent material, and remove to an approved disposal container.

**Fire:** Recommended extinguishing media – CO<sub>2</sub>, foam and dry chemicals. DO NOT use direct water jet on burning material.

**Environment:** Keep away from drains, surface and ground water.

**Storage:** Store in cool, dry and well ventilated area protected in tightly closed container away from sources of ignition, heat and sunlight. Keep air contact to minimum.

## 9. First Aid Measures:

**Eye contact:** Flush with water for at least 15 minutes. Call physician if irritation persists.

**Inhalation:** Remove to fresh air. Avoid casual breathing.

**Ingestion:** Rinse mouth and consult a physician immediately. Never-give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing.

**Skin contact:** Remove contaminated clothing. Wash with soap and plenty of water.

## 10. Individual Protection for Industrial and Bulk Use:

Use safety glasses.

Avoid breathing in product by ensuring good ventilation when handling.

Avoid skin contact by using chemical resistant gloves.



## 11. Preparation Information:

Quality Assurance

NISHANT AROMAS PRIVATE LIMITED  
HARIDWAR & MUMBAI ( INDIA )

### Disclaimer

The information contained in this Certificate of Analysis and Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of Nishant Aromas Private Limited knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulation. Final determination of the suitability of the material is the sole responsibility of the user.

Customers should purchase products from **NISHANT AROMAS PRIVATE LIMITED**. with the clear understanding that all products must be used at the customers own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. Nishant Aromas Private Limited. shall not be held responsible for any damages to property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties.

As with any manufacturing process, Nishant Aromas Private Limited strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing.

The information on the Nishant Aromas Private Limited . website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. Nothing contained herein should be considered as a recommendation by Nishant Aromas Private Limited. as to the fitness for any use. As the ordinary or otherwise use(s) of this product is outside the control of Nishant Aromas Private Limited., no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained.



# NISHANT AROMAS PRIVATE LIMITED

---

**Factory :** Plot No. 30,31 & 61, Sector 1B, IIE, SIDCUL, Haridwar-249403, Uttarakhand (India) CIN: U74999MH2019PTC326261

The liability of Nishant Aromas Private Limited. is limited to the value of the goods and does not include any consequential loss. Nishant Aromas Private Limited. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.

Please note, the International Federation of Aromatherapists do not recommend that Essential Oils be taken internally unless under the supervision of a Medical Doctor who is also qualified in clinical Aromatherapy. In addition, Essential Oils must be properly diluted before use in order to avoid any damages to property or adverse physical effects (including injury or bodily harm).