



## SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

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### SECTION 1: Identification

| Parameter         | Details                                                      |
|-------------------|--------------------------------------------------------------|
| Product Name      | Premium Taif Rose Oil                                        |
| Alternative Name  | Taif Rose Essential Oil                                      |
| Botanical Name    | <i>Rosa damascena</i> Mill. var. <i>trigintipetala</i> Dieck |
| INCI Name         | Rosa Damascena Flower Oil                                    |
| Plant Part        | Fresh Flowers                                                |
| Extraction Method | Steam Distillation / Hydrodistillation                       |
| Product Type      | 100% Natural Essential Oil                                   |
| Country of Origin | Taif, Saudi Arabia                                           |
| CAS Number        | 8007-01-0                                                    |
| EC Number         | 290-260-3                                                    |
| FEMA Number       | 2988                                                         |
| Physical Form     | Liquid; may partially crystallise at lower temperatures      |

Taif Rose Oil is obtained by steam distillation of *Rosa damascena* var. *trigintipetala* cultivated in the Taif highlands of Saudi Arabia. Published GC/MS studies identify citronellol, geraniol, nerol, linalool, nonadecane and heneicosane as the principal constituents.

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### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification (Representative)

| Hazard Class       | Category | Hazard Statement                                       |
|--------------------|----------|--------------------------------------------------------|
| Skin Irritation    | 2        | H315 Causes skin irritation                            |
| Skin Sensitisation | 1        | H317 May cause an allergic skin reaction               |
| Eye Irritation     | 2        | H319 Causes serious eye irritation                     |
| Aquatic Chronic    | 3        | H412 Harmful to aquatic life with long lasting effects |



Classification is representative for natural rose essential oils and shall be confirmed using the original producer's batch-specific SDS.

### Signal Word

Warning

### Hazard Statements

- 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.

### Precautionary Statements

- P261 Avoid breathing vapours.
- P264 Wash thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P302+P352 IF ON SKIN: Wash with soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P337+P313 If eye irritation persists: Get medical advice.
- P501 Dispose according to local regulations.

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## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance

| Component                 | CAS       | Content |
|---------------------------|-----------|---------|
| Rosa Damascena Flower Oil | 8007-01-0 | 100%    |

### Representative Naturally Occurring Constituents

| Constituent       | Typical Range (%) |
|-------------------|-------------------|
| Citronellol       | 23–28             |
| Geraniol          | 14–20             |
| Nonadecane        | 11–16             |
| Nerol             | 6–11              |
| Linalool          | ~8                |
| Heneicosane       | ~7                |
| Phenethyl Alcohol | Batch dependent   |
| Eugenol           | Trace–2           |
| Farnesol          | Trace–2           |



Methyl Eugenol

Batch dependent

These values are representative of published GC/MS analyses of authentic Taif Rose Oil.

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#### SECTION 4: FIRST-AID MEASURES

**Inhalation:** Move to fresh air. Obtain medical attention if symptoms persist.

**Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.

**Eye Contact:** Flush with water for at least 15 minutes. Seek medical attention if irritation continues.

**Ingestion:** Rinse mouth. Do not induce vomiting. Obtain immediate medical advice.

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#### SECTION 5: FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

- Dry chemical
- Carbon dioxide
- Alcohol-resistant foam
- Water fog

##### Unsuitable Media

Direct water jet.

##### Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighters should wear self-contained breathing apparatus.

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

- Wear appropriate PPE.
- Prevent entry into drains.



- Absorb using inert material.
- Transfer to suitable waste containers.
- Wash contaminated surfaces with detergent.

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## SECTION 7: HANDLING AND STORAGE

Handle in well-ventilated areas.

Avoid:

- skin contact
- eye contact
- breathing concentrated vapours

Store:

- tightly closed
- 15–25 °C
- away from sunlight
- away from oxidising agents
- protected from air

The oil may crystallise at lower temperatures. Warm gently to approximately 35–40 °C before use if necessary.

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls

Adequate local ventilation.

### Eye Protection

Chemical safety goggles.

### Hand Protection

Nitrile gloves.

### Respiratory Protection

Organic vapour respirator where ventilation is insufficient.



## Protective Clothing

Laboratory coat or suitable protective clothing.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Property                 | Typical Value                          |
|--------------------------|----------------------------------------|
| Appearance               | Clear liquid; may crystallise          |
| Colour                   | Pale yellow to yellow                  |
| Odour                    | Rich, fresh, floral, honeyed Taif rose |
| Relative Density (20 °C) | 0.850–0.875                            |
| Refractive Index (20 °C) | 1.455–1.470                            |
| Optical Rotation         | Batch dependent                        |
| Flash Point              | >75 °C                                 |
| Water Solubility         | Insoluble                              |
| Solubility in Ethanol    | Soluble                                |

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## SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- heat
- direct sunlight
- oxidising agents
- prolonged exposure to air

Thermal decomposition may generate carbon oxides and irritating fumes.

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## SECTION 11: TOXICOLOGICAL INFORMATION

Representative information indicates:

- Skin irritation possible.
- May cause allergic skin reactions due to naturally occurring fragrance allergens.
- Eye irritation following direct exposure.
- Methyl eugenol may occur naturally in batch-dependent quantities and should be verified analytically.



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## SECTION 12: ECOLOGICAL INFORMATION

- Avoid uncontrolled environmental release.
  - May be harmful to aquatic organisms.
  - Insoluble in water.
  - Naturally occurring constituents are expected to biodegrade over time.
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## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of unused product and contaminated absorbents through an authorised waste contractor.

Do not discharge into drains or natural waterways.

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## SECTION 14: TRANSPORT INFORMATION

Transport classification shall be verified using the original producer's batch-specific SDS.

| Item            | Status                |
|-----------------|-----------------------|
| UN Number       | Refer to supplier SDS |
| Transport Class | Batch dependent       |
| Packing Group   | Batch dependent       |

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## SECTION 15: REGULATORY INFORMATION

Prepared with reference to:

- REACH Regulation (EC) No. 1907/2006
  - Regulation (EU) 2020/878
  - CLP Regulation (EC) No. 1272/2008
  - Cosmetic Regulation (EC) No. 1223/2009
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## SECTION 16: OTHER INFORMATION

### Document Information

| Item | Details |
|------|---------|
|------|---------|



|         |                       |
|---------|-----------------------|
| Product | Premium Taif Rose Oil |
| Version | 1.0                   |

### **Disclaimer**

This MSDS has been prepared using representative published technical information for authentic Taif Rose Oil (*Rosa damascena* var. *trigintipetala*). As a natural complex substance, the composition varies according to harvest, altitude, distillation method and seasonal conditions. The original producer's batch-specific Safety Data Sheet and analytical documentation shall always take precedence. Published analyses consistently identify citronellol (23–28%), geraniol (14–20%), nonadecane (11–16%), nerol (6–11%), linalool (~8%) and heneicosane (~7%) as the principal constituents of authentic Taif Rose Oil.

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### **AUTHORISED BY**

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