



## **MATERIAL SAFETY DATA SHEET (MSDS)**

According to UN GHS / REACH / CLP Regulations

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NATURAL NEROLIDOL (CABREUVA OIL FRACTIONS)

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### SECTION 1: IDENTIFICATION

Product Name: Natural Nerolidol

CAS Number: 91722-93-9

Main Component: Nerolidol (CAS 7212-44-4)

Product Type: Natural aroma chemical / essential oil fraction

Recommended Use:

Fragrance, flavour, cosmetic, pharmaceutical, and air care applications

Restriction:

Not for personal use in this form or concentration

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Supplier:

AROMOLOGY

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### SECTION 2: HAZARD IDENTIFICATION

Classification (GHS)

- Eye Irritation – Category 2
- Skin Sensitisation – Category 1
- Aquatic Acute Toxicity – Category 1
- Aquatic Chronic Toxicity – Category 1



Signal Word:

WARNING

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#### Hazard Statements

- H317 – May cause an allergic skin reaction
  - H319 – Causes serious eye irritation
  - H410 – Very toxic to aquatic life with long lasting effects
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#### Precautionary Statements

- Avoid breathing vapours
  - Avoid release to environment
  - Wear protective gloves / eye protection
  - IF ON SKIN: Wash with soap and water
  - IF IN EYES: Rinse cautiously with water
  - If irritation or rash occurs: Seek medical advice
  - Collect spillage
- 

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

| Component | CAS | Concentration |
|-----------|-----|---------------|
|-----------|-----|---------------|

|           |           |      |
|-----------|-----------|------|
| Nerolidol | 7212-44-4 | >90% |
|-----------|-----------|------|

|        |           |     |
|--------|-----------|-----|
| Citral | 5392-40-5 | <1% |
|--------|-----------|-----|

|            |           |     |
|------------|-----------|-----|
| d-Limonene | 5989-27-5 | <1% |
|------------|-----------|-----|

✓ Minor components contribute to sensitisation and environmental hazard



#### SECTION 4: FIRST AID MEASURES

**Inhalation:**

Move to fresh air and seek medical advice if symptoms occur

**Skin Contact:**

Wash immediately with soap and water and remove contaminated clothing

**Eye Contact:**

Rinse thoroughly with water and seek medical attention

**Ingestion:**

Rinse mouth and drink water. Seek medical advice

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#### SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:**

Use appropriate extinguishing media

**Hazards:**

Non-flammable but vapours may form under heat

**Protection:**

Use self-contained breathing apparatus

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

- Ensure adequate ventilation
- Avoid inhalation and skin contact
- Absorb with inert material
- Prevent environmental contamination
- Dispose according to regulations



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## SECTION 7: HANDLING AND STORAGE

### Handling:

Avoid contact with skin and eyes

Use PPE and maintain hygiene

Do not inhale vapours

### Storage:

Keep container tightly closed

Store in cool, well-ventilated area

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls:

Ensure adequate ventilation

### PPE:

- Safety goggles
- Nitrile gloves
- Protective clothing

### Respiratory Protection:

Use if ventilation is insufficient

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Property       | Value                     |
|----------------|---------------------------|
| Physical State | Liquid                    |
| Colour         | Colourless to pale yellow |
| Odour          | Floral, woody             |
| Melting Point  | ~ -75 °C                  |



| Property         | Value                   |
|------------------|-------------------------|
| Boiling Point    | ~263 °C                 |
| Flash Point      | ~96 °C                  |
| Density          | ~0.88 g/cm <sup>3</sup> |
| Vapour Pressure  | ~0.0024 hPa             |
| Log Kow          | 4.5 – 5.86              |
| Water Solubility | ~0.014 g/L              |

✓ Data aligned with SDS

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#### SECTION 10: STABILITY AND REACTIVITY

- Stable under normal conditions
  - No hazardous reactions expected
  - Avoid extreme heat and oxidising agents
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#### SECTION 11: TOXICOLOGICAL INFORMATION

- LD50 oral: >5000 mg/kg
- LD50 dermal: >5000 mg/kg
- Eye irritant
- Skin sensitiser

No carcinogenic, mutagenic, or reproductive toxicity identified



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## SECTION 12: ECOLOGICAL INFORMATION

- Very toxic to aquatic life
- LC50 fish: ~1.43 mg/L
- EC50 daphnia: ~0.51 mg/L
- Readily biodegradable
- High bioaccumulation potential

✓ Strong environmental hazard classification

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## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose according to local regulations.

Do not release into drains, soil, or waterways

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## SECTION 14: TRANSPORT INFORMATION

| Parameter | Value |
|-----------|-------|
|-----------|-------|

|           |         |
|-----------|---------|
| UN Number | UN 3082 |
|-----------|---------|

Proper Shipping Name Environmentally Hazardous Substance, Liquid, N.O.S.

|       |   |
|-------|---|
| Class | 9 |
|-------|---|

|               |     |
|---------------|-----|
| Packing Group | III |
|---------------|-----|

|                  |     |
|------------------|-----|
| Marine Pollutant | Yes |
|------------------|-----|

✓ Transport classification confirmed



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## SECTION 15: REGULATORY INFORMATION

- Not classified as SVHC under REACH
- No substances subject to authorisation
- Fully compliant with CLP & GHS

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## SECTION 16: OTHER INFORMATION

This MSDS is adapted from supplier documentation (Axxence Aromatic GmbH).  
Information is provided for safe handling, storage, and use.