

# Foreverest Resources Ltd

## Nerolidol

90%

Nerolidol, also known as peruvicol or penetrol, is a naturally occurring sesquiterpene. It is found in various essential oils, including neroli, petitgrain oil, cananga oil, and jasmine oil. Nerolidol appears as a colourless to pale yellow clear oily liquid with a distinctive minty floral odour. Its purity is typically 90% minimum. Nerolidol is industrially prepared using [linalool](#) as the raw material, which is converted into geranyl acetone, followed by ethynylation and hydrogenation reactions.

### Substance Identification

Synonyms	trans-Nerolidol   Peruvicol   Melaleucol   Methyl vinyl homogteranyl carbinol   Methylvinylhomogteranyl carbinol
CAS	N/A
EINECS	230-597-5

FEMA	N/A	
HS.CODE	290500	
Molecular Formula	C15H26O	
Molecular Weight	222.372	
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LD50 oral, rat		5gm/kg min
LD50 dermal, rabbit		5gm/kg min
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## Application & Uses

- Fragrance & Flavour:
  - Primarily used in the fragrance formulation of high-quality cosmetics, and also in the flavouring of food and beverages. For instance, a small addition of 0.05% is effective for ready-to-drink beverages or simple broths.
- Pharmaceutical & Bioactivity:
  - Serves as an important intermediate in the synthesis of vitamin E.
  - Exhibits anti-fungal, antimicrobial, and sedative properties.
  - Possesses anti-leishmaniasis and anti-malarial properties.
  - Studies indicate its potential anti-ulcer, anti-cancer, and anti-tumour activity.
  - Demonstrates insect repellent activity.
  - Functions as a skin penetration enhancer.
  - Displays anti-nociceptive and anti-inflammatory effects.
  - Exhibits anti-parasitic and anti-biofilm properties.

- Shows antioxidant activity.

## Features & Benefits

Nerolidol imparts a subtle, delicate floral fragrance that is generally pleasant and not overpowering. Its floral notes primarily include lavender, lily, and cedar, with dominant nuances reminiscent of lily of the valley. Despite its delicate nature, Nerolidol possesses a high concentration of aroma and a broad spectrum of effects. It is well-suited for enhancing a variety of more volatile fragrances, capable of increasing their depth and richness, thereby helping perfumers unlock their intrinsic flavouring properties.

## Sales Specification

ITEM	VALUE
Appearance	Colorless to pale yellow clear oily liquid
Specific Gravity, @25.00 °C	0.87000 to 0.87600
Refractive Index, @20.00 °C	1.47800 to 1.48300
Optical Rotation, °	-2.00 to +2.00
Purity, %	90 min
LD50 oral, rat	5gm/kg min
LD50 dermal, rabbit	5gm/kg min

# Package

- Galvanized Steel Drum, 185kg net each

## GHS Hazard Statements

H-Code	H317/319/410
P-Code	P261/264/272/273/280
Response	P302+P352 P305+P351+P338 P333+P313 P337+P313 P391
Storage	No data available
Disposal	P501
S-phrases: S26-S36   R-phrases: R36/37/38	

## Storage

- Environmental & Temperature Control:
  - Store in a cool, dry, well-ventilated area, and protect from light.
  - Avoid high temperatures to maintain product stability and prevent decomposition or volatilisation.
  - Keep in a cool, well-ventilated place.
- Container Management & Prevention:
  - Ensure containers are tightly closed to prevent volatilisation and external contamination, and are clearly labelled.
  - Ground all equipment containing the material to prevent static build-up.
- Hazard Isolation:
  - Keep storage areas away from heat, sparks, open flames, and all sources of ignition.
  - This combustible liquid should be stored in a separate safety storage cabinet or room.
  - Keep away from incompatible materials to prevent hazardous reactions.
- Safe Handling & Inspection:
  - Handle carefully, and stack stably.

- After prolonged storage, always check quality before use.
- Compliance & Emergency Preparedness:
  - Strictly comply with all safety regulations, particularly those pertaining to combustible liquid storage.
  - Ensure emergency plans are in place for unforeseen circumstances.

## Relation Products

- [Nerol Extra](#)

## Relation Articles

- [Global Cardamom Oil Market is Expected to Grow at a CAGR over 6.74% From 2016 to 2022](#)
- [Terpenes from Forests and Human Health](#)
- [What are the natural terpenes \(2\)](#)

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## Remark

*The above information is believed to be accurate and presents the best explanation currently available to us. We assume no liability resulting from above content. The technical standards are formulated and revised by customers' requirement and us, if there are any changes, the latest specification will be executed and confirmed in the contract.*

Manage consent