

Foreverest Resources Ltd

alpha-Terpineol

95%

Alpha-Terpineol 95% is a high-purity [terpene alcohol](#), typically presenting as a colourless transparent liquid with a distinctive lilac and pine aroma. As a versatile chemical, it can be sourced both naturally (e.g., via distillation from tree extracts like pine oil) and synthetically. Industrially, alpha-Terpineol is primarily produced by hydrating alpha-pinene or dehydrating terpin hydrate, with the synthetic process often resulting in isomers such as β -Terpineol and γ -Terpineol.

It is widely used as a key component in fragrances such as lilac and lime. alpha-Terpineol also serves as a raw material for synthesizing other aromatic chemicals.

Substance Identification

Synonyms	α -Terpineol
CAS	N/A
EINECS	202-680-6
FEMA	N/A
HS.CODE	29061900
Molecular Formula	C ₁₀ H ₁₈ O
Molecular Weight	154.25

Application & Uses

- **Fragrances, Flavours & Daily Chemicals:**
 - A main flavouring agent for the composition of lilac-based essences, imparting lasting fresh floral notes such as lilac, citrus, lavender, and lily of the valley in perfumes, colognes, cosmetics.
 - Possesses good alkali resistance, making it highly suitable for soap and other daily chemical product fragancing, as well as use in detergents.
 - Also applied in [food flavourings](#).
- **Chemical Synthesis Raw Material:**
 - An important intermediate for the synthesis of various other aromatic chemicals (e.g., [alpha-terpinyl acetate](#), [alpha-dihydroterpineol](#)). Its acetate form itself exhibits citron and lavender aromas.
- **Industrial Solvents & Cleaners:**
 - Functions as an excellent solvent for paints, resins, gums, inks, and plastics.
 - Used as a solvent in instrumentation, telecommunications equipment, and for colouring glassware.

- Incorporated into industrial cleaners and disinfectants.
- Pharmaceutical & Health Products:
 - Possesses antimicrobial, antifungal, anti-inflammatory, and antioxidant properties, finding applications in certain pharmaceutical preparations, disinfectants, and personal care products.
 - Research indicates potential roles in [neuroprotection](#) and as a [skin penetration enhancer](#) for certain medications.
- Other Industrial Uses:
 - Can serve as an active ingredient in pesticides ([fungicides](#)).
 - Used as [a flotation agent](#) in mineral processing.

Features & Benefits

- Distinctive Aroma & High Purity:
 - Imparts a refreshing lilac and pine aroma to products, ensuring stable, high-purity quality.
- Diverse Sourcing & Stable Supply:
 - Available through both natural and synthetic routes, guaranteeing reliable and cost-effective supply.
- Versatile Application Cornerstone:
 - Serves as a key fragrance component and a vital raw material for chemical synthesis, offering broad utility.

Sales Specification

ITEM	VALUE
Appearance	Colorless transparent liquid
Odor	Lilac like odor
Alpha Terpenol, by G.C.	95% min

ITEM	VALUE
Terpene Alcohols, by G.C.	95-99% min
Refractive Index, @ n20/D	1.4800-1.4860
Relative Density, @ d20/4	0.9300-0.9360

Similar Specs

- Terpineol Mu
- Terpineol P
- Terpineol Electric

Package

- Galvanized Iron Drum, 185kg net each, 80/120 drums per 20'FCL

GHS Hazard Statements

H-Code	H227/303/315/319/402
P-Code	P210/264/273/280
Response	P302+P352 P305+P351+P338 P312 P332+P313 P337+P313 P370+P378
Storage	P403+P235

Disposal P501
S-phrases: S16 S37 | R-phrases: R10 R38

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 degradation.
- 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 (given its flammable liquid nature).
- Hazard Isolation:
 - Keep storage areas away from heat, sparks, open flames, and all sources of ignition.
 - Store (as a flammable liquid) in a separate safety storage cabinet or room.
 - Keep away from incompatible materials, especially strong oxidisers and strong acids, to prevent hazardous reactions.
- Safe Handling & Inspection:
 - Handle carefully, and stack stably.
 - After prolonged storage, always check quality before use, for example, its appearance, odour, refractive index, or relative density.
- Compliance & Emergency Preparedness:
 - Strictly comply with all national and local safety regulations, particularly those pertaining to flammable liquid storage.
 - Ensure emergency plans are in place for unforeseen circumstances (e.g., spills or fire).

Relation Products

- 1,4-Cineole
- alpha-Terpinene
- gamma Terpinene
- PINEYE™ EC emulsion

- [Terpinen-4-ol](#)

Relation Articles

- [Efficacy of Angelica archangelica essential oil, phenyl ethyl alcohol and \$\alpha\$ -terpineol against isolated molds from walnut and their antiaflatoxigenic and antioxidant activity](#)
- [Pine Oil & Terpineol applied to disinfectants and household cleaners](#)
- [Terpinen-4-ol and alpha-terpineol \(tea tree oil components\) inhibit the production of IL-1beta, IL-6 and IL-10 on human macrophages](#)
- [Terpenes \(C₅H₈\)-medicinal molecules and important building blocks in nature](#)
- [ANTI-VIRUS FUNCTION of ESSENTIAL OILS and PLANT EXTRACTS](#)
- [Dipentene, a low-cost substitute or extender for Citrus D-Limonene](#)
- [TERPENE ESSENTIAL OILS: The research and development direction of anti-virus drugs is concerned](#)

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