Foreverest Resources Ltd

Terpinen-4-ol

98%

Terpinen-4-ol is an isomer of terpineol that naturally found in turpentine oil and lavender oil. It appears pale yellow viscous liquid with mild earthy and woody odor. Terpinen-4-ol can be prepared by hydration reaction of sabinene or produced by the oxidation, hydrogenation reduction and selective hydrogenation of terpinolene. On the other hand, Terpinen-4-ol has strong effects of disinfection, sterilization and antisepsis, so it can also be used as natural disinfectant to treat illness and hurts.

Substance Identification

Synonyms	4-Terpinenol | Terpinenol-4 | ρ-1-Menthen-4-ol | Terpinenol-4
CAS	N/A
EINECS	209-235-5

FEMA	N/A
HS.CODE	330129
Molecular Formula	C10H18O
Moleclar Weight	154.25

LD50 oral, rat	□1.3g/kg
LD50 dermal, rabbit	□2.5g/kg

Application & Uses

- used in body lotions and cleaners
- used in flavors such as mints
- used in intermediate to antibacterial agents
- used in preservatives
- used in reconstitutions of essential oils such as lavender and geranium
- used in daily chemical products, such as shampoos, soaps, etc.
- used in solvent
- used in spices and fruity citrus

Features & Benefits

- Strong effects of disinfection, sterilization and antisepsis.
- Very slightly soluble, and solube in Alcohol and oil

Sales Specification

ITEM	VALUE	TEST METHOD & UNIT
Apearance	Slightly yellow viscous liquid	
Odor	Mild earthy, woody, musty, peppery	
Refractive Index	1.475 to 1.485	@□20/d
Density	0.928 to 0.941	@D20/4, g/ml
Optical Rotation	-15 to -30	°
Content	98 min	@GC, %

ITEM	VALUE	TEST METHOD & UNIT
Apearance	Slightly yellow viscous liquid	
Odor	Mild earthy, woody, musty, peppery	
Refractive Index	1.475 to 1.485	@□20/d

ITEM	VALUE	TEST METHOD & UNIT
Density	0.928 to 0.941	@D20/4, g/ml
Optical Rotation	-0.5 to +0.5	°
Content	95 min	@GC, %

Similar Specs

Terpinen-4-ol

Package

- Galvanized Iron Drum, 200kg net each

GHS Hazard Statements

H-Code	H227/302/315/319/335
P-Code	P210/261/264/270/271/280
Response	P301+P312+P330 P302+P352 P304+P340+P312 P305+P351+P338 P332+P313 P337+P313 P370+P378
Storage	P403+P233 P403+P235 P405
Disposal	P501

S-phrases: S26-S36-S37/39 | R-phrases: R22;R36/37/38

Storage

- containers which are opened must be carefully resealed and kept upright to prevent leakage.
- keep container tightly closed in a dry and well-ventilated place.
- store in cool place.
- store under inert gas. Air sensitive

Relation Products

- alpha-Terpineol
- Terpineol
- Turpentine
- Tea Tree Oil
- PINEYE™ EC emulsion

Relation Articles

- Terpinen-4-ol and alpha-terpineol (tea tree oil components) inhibit the production of IL-1beta, IL-6 and IL-10 on human macrophages
- R&D on Terpinen-4-ol
- Development & Application of Plant Extracts Biopesticides and the Active Ingredients
- Herbicidal composition and method
- Insecticidal and synergistic effects of Majoranahortensis essential oil and some of its major constituents
- The Antitranspirant Adjuvants Also Effect The Plant Diseases Control

- Terpinen-4-ol is the Most Active Ingredient of Tea Tree Oil to Kill Demodex Mites
- Benefits of lemon essential oil and its practical formulation
- Biological function and mechanism of plant extracts(2)
- Dipentene, an effective, safe, biodegradable cleaning and degreasing material
- PINEYE™ EC emulsion: A new green antitranspirant adjuvant and its effect on plant diseases control
- Terpenes from Forests and Human Health
- Ten questions concerning air fresheners and indoor built environments

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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