

Foreverest Resources Ltd

I-Limonene

95%

I-Limonene is the optical isomer of [Limonene](#). It is classified as three types: I-Limonene, d-Limonene optical isomers and one racemic. It is a colorless to pale yellow liquid with strong fruity and citrus odor. d-Limonene is naturally found in Pine needle oil, [Turpentine](#), Cajeput oil and other essential oils. I-Limonene presents in essential oil of citrus, such as mandarin oil and sweet orange oil. [Racemic limonene](#) is derived from turpentine. It mainly used in food flavour and synthetic fragrances.

Substance Identification

Synonyms	1,8- ρ -Menthadiene 1-Methyl-4-isopropenyl-1-cyclohexene l-p-Mentha-1,8-diene
CAS	N/A
EINECS	227-815-6

FEMA	N/A
HS.CODE	290219
Molecular Formula	C10H16
Molecular Weight	136.2364

Application & Uses

- used as a food flavor and fragrance formulation
- used as an ingredient of detergent
- used as an effective solvent in 3D printing and beverage production
- used as artificial fragrance components
- used as pharmaceutical material
- used as botanical insecticide

Sales Specification

ITEM	VALUE
Appearance	Colorless transparent liquid
Aroma	Fruity, Lemon
Refractive Index, @20/D	1.460 to 1.480

ITEM	VALUE
Relative Density, @d20/20	0.836 to 0.875
Optional Rotation, @20°C, °	-90
Limonene, @G.C, %	95 min

Similar Specs

Limonene

Package

- Galvanized Iron Drum, 180 net each, 80 drums per 20’FCL

GHS Hazard Statements

H-Code H226/303/304/315/317/410
P-Code P210/233/240/241/242/243/261/264/272/273/280
Response P301+P310 P303+P361+P353 P312 P331 P333+P313 P370+P378 P391
Storage P403+P235 P405
Disposal P501
UN Number: UN 2052 3/PG 3 | S-phrases: S24 S37 S60 S61 | R-phrases: R10 R38 R43 R50/53

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

Relation Products

- [Dipentene \(Synthetic\)](#)
- [Dipentene \(Natural\)](#)
- [Dipentene DHM](#)
- [Dipentene](#)

Relation Articles

- [Terpenes \(C₅H₈\)-medicinal molecules and important building blocks in nature](#)
- [Dipentene, a low-cost substitute or extender for Citrus D-Limonene](#)
- [Industry Report Summary of Limonene Market Size, Price, 2016 - 2023](#)
- [Advancing Adhesives: Non-Toxic Solvents](#)
- [COULD CITRUS PEEL REPLACE CRUDE OIL IN PLASTICS, PARACETAMOL?](#)
- [Catalytic Upgrading of Extractives to Chemicals: Monoterpenes to “EXICALS”](#)
- [GUEST ARTICLE: From 'all natural' advertising to PR nightmare... Reflections on Rice v. National Beverage Corp \(LaCroix\)](#)
- [Green in Perfume, How to build a better rose](#)

- Green solvents market is expected to reach EUR11.8 billion, globally by 2020
- Polyterpenes by ring opening metathesis polymerization of caryophyllene and humulene
- Real Bio-based Ingredients for Formulator's Toolbox
- Synthesizing the Future
- Ten questions concerning air fresheners and indoor built environments
- The benefits of Terpenes on health and well-being
- The development trend of food flavor
- Terpenes Go ROMPing Into New Materials
- ANTI-VIRUS FUNCTION of ESSENTIAL OILS and PLANT EXTRACTS
- Dipentene, an effective, safe, biodegradable cleaning and degreasing material
- R&D on Terpinen-4-ol
- TERPENE ESSENTIAL OILS: The research and development direction of anti-virus drugs is concerned
- Terpenes from Forests and Human Health

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.