

Foreverest Resources Ltd

Limonene

95%

Limonene is found in citrus essential oil, the contents can be up to 90%. (-)-Limonene is naturally found in Pine needle oil, Turpentine, Cajeput oil and other essential oils. It appears liquid and has orange smell. It is make from Terpenes of orange oils by the method of fractionation. Limonene has optical isomers, [L-Limonene](#), R-Limonene and a meso isomer, [Dipentene](#). In the flavoring formulation of personal cares, the contents of Limonene can be up to 30%. Limonene is also mainly used as intermediate for synthesis Bergamot esters, Norone, Cymene, Tonalid and Phantolid.

Substance Identification

Synonyms	1,8-p-Menthadiene 1-Methyl-4-isopropenyl-1-cyclohexene
CAS	N/A
EINECS	205-341-0

FEMA	N/A
HS.CODE	294200
Molecular Formula	C10H16
Molecular Weight	136.23

Application & Uses

- used as a perfumery composition for soaps, personal care products and cosmetics
- used as a substitute for chlorinated solvents in degreasing metals for cleaning in the electronic industry and the printing industry while it can also be used as starting material for the synthesis of terpene resin. alpha-limonene has been used as a gallstone solubilizer in pharmaceutical industry
- used as an intermediate for terpene resins, carvone, terylene, and rubber chemicals
- used as an oils dispersant, metal dryer
- used in chemical synthesis as a precursor to carvone and as a renewably based solvent in cleaning products

Sales Specification

ITEM	VALUE
Appearance	Colorless to light yellow clear liquid
Odor	Fruity, Cirtus
Purity, G.C, %	≥95

ITEM	VALUE
Distillation Range, @ 170~190°C, %	≥90
Refractive Index, @ n20/D	1.465~1.480
Relative Density, @ d20/4	0.836~0.875
LD50 oral, rat	□5g/kg
LD50 dermal, rabbit	□5g/kg

Similar Specs

[l-Limonene](#)

Package

- Galvanized Iron Drum, 145 net each, 80/120 drums per 20'FCL
- Galvanized Iron Drum, 150 net each, 80/120 drums per 20'FCL
- Galvanized Iron Drum, 175 net each, 80/120 drums per 20'FCL

GHS Hazard Statements

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 \(Natural\)](#)

Relation Articles

- [Citrus forecast steady as growers await aid](#)
- [Dipentene, a low-cost substitute or extender for Citrus D-Limonene](#)
- [Terpenes \(C5H8\)-medicinal molecules and important building blocks in nature](#)
- [Hurricane Irma Will Make Orange Juice Unaffordable and Destroy Your Grocery Bill](#)
- [ANTI-VIRUS FUNCTION of ESSENTIAL OILS and PLANT EXTRACTS](#)

- Benefits of lemon essential oil and its practical formulation
- Dipentene, an effective, safe, biodegradable cleaning and degreasing material
- Herbicidal composition and method
- Natural Food Preservatives Materials-Terpenes
- 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
- The benefits of Terpenes on health and well-being
- The development trend of food flavor
- What are the natural terpenes

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.