

Foreverest Resources Ltd

Cinnamic Aldehyde Natural

99%

Cinnamic Aldehyde is naturally found in cinnamon oil, cassia oil, and patchouli oil. It appears pale yellow viscous liquid with cinnamon and a spicy odor. Cinnamic aldehyde has Cis-isomer and trans-isomer. Cinnamic Aldehyde is industrially prepared by condensation of benzaldehyde and acetaldehyde in dilute alkali solution. It is widely used in flavor and fragrance formulation of daily chemical products and agriculture.

Substance Identification

Synonyms	Cinnamal
CAS	N/A
EINECS	203-213-9

FEMA	N/A
HS.CODE	290300
Molecular Formula	C9H8O2
Molecular Weight	132.162

LD50 oral, rat	2220mg/kg
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Application & Uses

- used as a fresh-keeping agent for fruits
- used in flavor formulation, mainly used for making cinnamon, cinnamon and cola flavors, and also for alcohol and tobacco
- used as a flavoring in chewing gum, ice cream, candy, and beverages.
- used as fragrance intensifier of soaps
- used in some perfumes of natural, sweet, or fruity scents
- used as a solvent in industry
- used as pharmaceutical intermediates
- used as an effective insecticide and fungicide
- works as a potent fumigant and practical repellent for adult mosquitos
- used as a corrosion inhibitor for steel
- used in agriculture to produce fungicide etc.

Features & Benefits

- Solubility: Hardly soluble in water, glycerin, soluble in alcohol, ether and petroleum ether. Can volatilize with water vapor
- Stability: unstable in strong acid or strong alkaline medium, easy to cause discoloration, easy to oxidize in air

Sales Specification

ITEM	VALUE
Appearance	Pale yellow to yellow liquid
Odor	Strong cinnamon aroma
Refractive Index, @20 °C	1.619 to 1.625
Acid Value, @A.V.	10.0 max
Purity, @GC, %	99 min
LD50 oral, rat	2220mg/kg

Similar Specs

[Cinnamaldehyde](#)

[Methyl Cinnamate](#)

Package

- Drum, 200kg net each

GHS Hazard Statements

No data available

Storage

- flammable materials should be stored in a separate safety storage cabinet or room
- ground all equipment containing material
- keep away from heat
- keep away from sources of ignition
- keep container tightly closed
- keep in a cool, well-ventilated place

Relation Products

- [Hexyl cinnamic aldehyde](#)

Relation Articles

- [Cinnamon Oil Compound Might Block Bacteria Like P. aeruginosa from Forming Biofilms, Researchers Say](#)
- [Synthesizing the Future](#)
- [Study and Application of Cinnamic aldehyde](#)
- [An Aroma Chemical Profile - Benzaldehyde](#)
- [Analysis of Essential Oil on Antimicrobial Resistance](#)
- [Biological function and mechanism of plant extracts \(1\)](#)
- [Biological function and mechanism of plant extracts\(2\)](#)
- [Biological functions and mechanism of plant extracts \(1\)](#)
- [Effects of Cinnamon in Chronic Diseases](#)
- [Essential oils in preventing and controlling crop diseases](#)
- [Plant Extract for Pet Medical Use](#)
- [Application Research of Cinnamic aldehyde in Fragrance & Flavor, Daily Chemicals and Food Additives](#)

Remark

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