

Foreverest Resources Ltd

Ethyl Cinnamate

99%

Ethyl cinnamate is the ester of cinnamic acid and ethanol. It is present in the essential oil of cinnamon. It can be produced by the esterification between cinnamic acid and ethanol with the presence of sulfuric acid or the reaction between benzaldehyde and ethyl acetate. Pure ethyl cinnamate has a "fruity and balsamic odor, reminiscent of cinnamon with an amber note" which is widely used in flavor formulation of some berry flavors.

Substance Identification

Synonyms	Ethyl 3-phenylpropenoate Ethyl beta-phenylacrylate Ethyl Ester Cinnamic acid ethyl ester
CAS	N/A
EINECS	203-104-6

FEMA	N/A
HS.CODE	291600
Molecular Formula	C11H12O2
Molecular Weight	176.215

LD50 oral, rat	4gm/kg
LD50 dermal, rabbit	5gm/kg min

Application & Uses

- used in fruity flavor formulation, such as cherry, grape, and peach flavor
- used as a fixative and aromatics modifier in flavoring
- used in the formulation of rose, citrus, and oriental type fragrance
- used as raw material in the production of medicine
- used as pharmaceutical intermediate

Features & Benefits

- Soluble in alcohol, fixed oils, water, 160.6 mg/L @ 25 °C (est)

Sales Specification

ITEM	VALUE
Appearance	Colorless clear oily liquid
Relative Density	1.045 to 1.051
Refractive Index, @20°C	1.559 to 1.561
Purity, %	99 min
LD50 oral, rat	4gm/kg
LD50 dermal, rabbit	5gm/kg min

Similar Specs

[Methyl Cinnamate](#)

[Cinnamaldehyde](#)

[Cinnamic Aldehyde Natural](#)

[Amylcinnamaldehyde](#)

Package

- Drum, 200kg net each

GHS Hazard Statements

H-Code	H303
P-Code	no data available
Response	P312
Storage	no data available
Disposal	no data available

S-phrases: S23-S24/25 | R-phrases: R20

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 Articles

- [Cinnamon Oil Compound Might Block Bacteria Like P. aeruginosa from Forming Biofilms, Researchers Say](#)
- [How to create Lily of the valley fragrance?](#)
- [Insecticidal and synergistic effects of Majoranahortensis essential oil and some of its major constituents](#)

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.