

Foreverest Resources Ltd

Abietic Acid (CAS 514-10-3)

99%

Abietic acid is a white, resinous powder derived from rosin. The process involves distilling rosin, steaming out the residual turpentine oil, filtering it at around 210°C, and then cooling and crystallizing to obtain the final product. This acid is widely used in the cosmetics and pharmaceutical industries, as well as in various other applications, including as a pesticide emulsifier, textile sizing agent, construction material lubricant, plasticizer for plastics and rubber, and a paint drier.

Substance Identification

Synonyms

Rosin Acid

CAS

N/A

EINECS

208-178-3

FEMA	N/A
HS.CODE	2917
Molecular Formula	C20H30O2
Molecular Weight	302.45

Application & Uses

- used as epoxy and petrochemical curing agents.
- used as pharmaceutical intermediates used in antibacterial, anti-inflammatory drugs, anti-carcinogen etc.
- used as a starting material in the total synthesis of:
 1. (–)-triptonide and (–)-triptolide as potent antitumor and immunosuppressant agents;
 2. quinone (–)-12-deoxyroyleanone as antileishmanial agent;
 3. abietic acid-derived catechol (methyl 11,12-dihydroxyabietate-8,11,13-trien-18-oate, MDTO) as a potential antioxidant agent;
 4. Epoxidation with MCPBA.
- used as surfactant and emulsion stabilizer in cosmetics
- used as polymerization emulsifier for styrene butadiene rubber and chloroprene rubber after sodium hydroxide saponification. It also can be used as rubber plasticizer, adhesive, high-grade paper on the adhesive and gum ingredients.

Features & Benefits

- Easy to be oxidized
- There is a gap in the solubility of different Alcohols solvent, and to be listed in descending order by solubility: Butanol + Propyl Alcohol > Anhydrous Ethanol > Methanol.

Sales Specification

ITEM	VALUE
Appearance	white powder
Melting point	160-162°C
Acid Value, mgKOH/g	180 min
Purity	99% min

Package

- Package: 25kg fiber drum net each, Vacuum-packed

GHS Hazard Statements

H-Code	H315/319/335/400
P-Code	P261/264/271/273/280
Response	P302+P352 P304+P340+P312 P305+P351+P338 P332+P313 P337+P313 P391
Storage	P403+P233 P405
Disposal	P501

Storage

- avoid contact with light
- keep separated from incompatible substances
- store and handle in accordance with all current regulations and standards
- store in a cool, dry place
- store in a tightly closed container

Relation Products

- [Dehydroabietic Acid](#)
- [Rosin Amine \(Abietylamine\)](#)
- [Dehydroabietylamine \(Leelamine\)](#)

Relation Articles

- [Recent advances in bio-based epoxy resins and bio-based epoxy curing agents](#)
- [Study of Novel Rosin-Based Biomaterials for Pharmaceutical Coating](#)
- [Application of Gum Rosin](#)
- [Progress on the patents about the modifications of gum rosin and their applications](#)

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