
Benzoic acid

Name: Benzoic acid

Formula: C₇H₆O₂

Molecular Weight: 122.12

CAS No. : 65-85-0

EC No. : 200-618-2

Grades available: CP, BP, EP, NF/FCC, NY/T1447, GB1901-2005

Forms available: white crystalline or powder or chips

Uses: Preservatives, corrosive inhibitors , synthesis intermediates, etc.

Applications:

Benzoic acid is used as a raw material for a large range of products such as benzoyl chloride, propiophenone , caprolactam , photo-inhibitors , esters and polyamide.

It is also a building block for specialty benzoate plasticizers , it's esters, such as DEDB , TEDB , DPGDB, in this application it is a substitute for a number of phthalic plasticizers that are classified as SVHC(Substances of High Concern) by ECHA.

Benzoic acid is further used as a chain terminator in the production of alkyd resins to improve gloss, adhesion, hardness and chemical resistance of the final product. Benzoic acid is added to synthetic polyamide fibers to improve finish. Incorporation of benzoic acid in HDPE filaments and thermoplastic elastomers results in high-strength filaments for fishing nets , etc.

Other applications include use as a corrosion inhibitor in automotive cooling liquids and as an additive in down-hole mud drilling, where benzoic acid functions as a temporary plugging agent in subterranean formations. It is also used as corrosion preservatives in car coatings.

Important derivatives are benzoic acid salts such as sodium , potassium , and calcium benzoate.

Typical physical properties: See the corresponding MSDS.

Methods of analysis: Acid-base titration , or HPLC

Storage conditions: Closed operation, full ventilation. Keep away from fire and heat. Avoid accumulation of static electricity. Avoid oxidants, avoid contacting with skin and eyes. Avoid steam leakage.

Package: Plastic bags or complex plastic bag or coating bag , 25Kg/Bag; or as clients' requirements.

Notes: The information presented herein is believed to be true and accurate. However, all suggestions and recommendations are made without guarantee. Our technical personnel are always ready to respond to inquiries regarding the safe handling of any of our products.

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