

ACRYLIC ACID



CAS Number: 79-10-7

Other Names: 2-Propenoic acid, Acrylate, Acroleic acid,
Vinyl Formic Acid, Ethylenecarboxylic acid

Formula: $C_3H_4O_2$

PRODUCT INTRODUCTION

Acrylic acid is an organic compound with the formula $CH_2=CHCOOH$. It is the simplest unsaturated carboxylic acid, consisting of a vinyl group connected directly to a carboxylic acid. Acrylic acid is a clear and colorless liquid with a distinctive acrid (tart) odor. It is miscible with water, alcohols and ethers.

PHYSICAL AND CHEMICAL PROPERTIES

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|--------------------|----------|
| Purity | 99.9 wt% |
| MQ | 208 ppm |
| Acrylic Acid Dimer | 0.02 wt% |
| Water Content | 0.12 wt% |
| Colour | 5 |
| Appearance | Clear |

APPLICATIONS

- Acryl acid is used as a preliminary material in the industrial preparation of acrylic esters and resins. Acrylics are primarily used in decorative, masonry and industrial coatings but other uses include adhesives, paper and leather coatings, polishes, carpet backing compounds and tablet coatings.
 - Acrylate esters impart many desirable qualities to polymeric materials, such as color stability and clarity, heat and aging resistance, good weatherability, and low-temperature flexibility.
 - Acrylic acid is a highly reactive carboxylic acid that can react with itself to form polyacrylic acid polymers, which is used as an absorbent with the ability to absorb and retain more than one hundred times their own weight. They are used to make nappies and feminine hygiene products.
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PACKAGING OPTIONS

Drums

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