

# ACETIC ACID



CAS Number: 64-19-7

Other Names: Ethanoic acid; Ethylic acid; Methanecarboxylic acid;  
Glacial acetic acid; Vinegar acid

Formula:  $C_2H_4O_2$  or  $CH_3COOH$

## PRODUCT INTRODUCTION

Acetic acid is a simple monocarboxylic acid with chemical formula  $CH_3COOH$ . It is clear colorless liquid with a strong pungent odor and distinctive sour taste. It is volatile, reactive, and flammable. Acetic acid is a hydrophilic (polar) protic solvent. It is miscible with polar and non-polar solvents such as water, chloroform, and hexane. Acetic acid is corrosive, and its vapour is irritating to eyes and nose

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear and Bright
Platinum Cobalt Color	5 Pt/Co
Water Content	0.033 %(m/m)
Relative Density at 20/20°C	1.0511
Freezing Point	16.45°C
Purity	99.90 % (m/m)
Formic Acid	0.005 % (m/m)
Acetaldehyde Content	0.001 % (m/m)
Iron Content	0.11 mg/kg
Non-Volatile Matter	8 mg/kg
Permanganate Time	> 60 min

## APPLICATIONS

- The desirable solvent properties of acetic acid, along with its ability to form miscible mixtures with both polar and non-polar compounds, make it a very important industrial solvent. It is widely used in the industrial preparation of dimethyl terephthalate (DMT).
- The largest single use of acetic acid is in the production of vinyl acetate monomer, closely followed by acetic anhydride and ester production

- It is frequently used as a solvent for recrystallization to purify organic compounds.
  - Acetic acid is used for fabric dyeing, production of nylon and in leather tanning.
  - Common vinegar contains about 6% acetic acid. It is used in food canning as an additive or flavoring and in medicines.
  - Acetic acid is also used as an herbicide for broadleaf weeds and weed grasses.
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## PACKING OPTIONS

Tanks

Drums

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To Get a Quote, Email On [marketing@sanjaychemindia.com](mailto:marketing@sanjaychemindia.com)

