ACETIC ACID

GKN GROUPS
Empowering Growth

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.

PACKING OPTIONS

Tanks
Drums
