



TECHNICAL DATA SHEET

ACETIC ACID

Industrial Chemical Product Data Summary

Acetic Acid is a widely used organic acid for chemical synthesis, pH adjustment, solvent systems, and industrial process applications requiring consistent acid strength.

PRODUCT NAME & CAS NUMBER

Product Name	Acetic Acid
Chemical Formula	CH ₃ COOH
CAS Number	64-19-7

MAIN APPLICATIONS

- Chemical intermediate for acetate esters, vinyl acetate monomer, and derivatives.
- Industrial pH control and acidification in process systems.
- Solvent and reagent use in organic synthesis.
- Textile, dyeing, printing, and leather processing applications.

KEY PROPERTIES

Appearance	Clear, colorless liquid
Odor	Characteristic pungent vinegar-like odor
Purity	Typically 99% min. for glacial grade; varies by specification
Density	Approx. 1.049 g/cm ³ at 20 °C
Solubility	Completely miscible with water and many polar solvents
pH	Acidic; approx. 2.4 for a 1.0 M aqueous solution

STORAGE CONDITIONS

Store in tightly closed, compatible containers in a cool, dry, well-ventilated area away from heat, ignition sources, oxidizing agents, alkalis, and incompatible materials. Protect containers from physical damage and maintain suitable secondary containment and labeling.

TECHNICAL DISCLAIMER

This information is provided for industrial reference only. Users must verify suitability for their process, application, storage system, and regulatory requirements before use.