



Propionic Acid

Methyl Acetic Acid

Ethyl Formic Acid

Propanoic Acid

CH₃CH₂COOH

Description

A colorless pungent smelling liquid, miscible with water and almost all normal organic solvents.

Physical properties

Molecular Weight	74.08
Relative Evaporation Rate nBuAc=1	0.24
Vapor Pressure at 20°C, mmHg	2.4
Density at 20°C lb/gal	8.30
Specific Gravity at 20/20°C	0.995
Viscosity at 20°C cP	1.1
Surface Tension	
(dynes/cm at 20°C)	-
(dynes/cm at 25°C)	26.2
Hansen Solubility Parameters, [cal/cm ³] ^{1/2}	
Total	-
Non-Polar	-
Polar	-
Hydrogen Bonding	-
Boiling Point, °C at 760mm Hg	140.8
Melting Point C	-20.7
Solubility at 20°C	
%Wt In Water	∞
%Wt Water in	∞
Closed Cup Flash Point °F	126
SARA 313 (see note 1 †)	N
Hazardous Air Pollutant (see note 2 † †)	-

† **Note 1:** Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Section 313

† † **Note 2:** Hazardous Air Pollutants listed under Title III of the Clean Air Act

Classification/Registry Numbers

CAS Number	79-09-4
EINECS	201-176-3

(Please see second page)

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Features

- Miscible with water
- Miscible with ethanol
- FDA grade available
- GRAS listed (U.S. FDA), FIFRA registered (U.S. EPA)

Applications

- Preservative (in calcium and sodium propionate)
- Anti-mold agent (ammonium propionate)
- Food preservative (calcium and sodium propionate)
- Flavoring agent
- Herbicide intermediate
- Pharmaceutical intermediate
- Dye intermediates
- Textile and rubber auxiliaries
- Plastics
- Plasticizers
- Cosmetics

How supplied

- Bulk: Tank truck/tank cars/isotanks/marine vessel
- Drums

Note: Consult the appropriate Material Safety Data Sheet for safety and handling guidelines for this product.

The Dow Chemical Company
Danbury, Connecticut 06817 U.S.A.

In the United States and Canada, Product Information: 1-800-447-4369; Fax: 1-989-832-1465; Technical Support: 1-800-SOLVENT
In Europe: +800 3 694 6367; Toll Phone: +32 3 450 2240; Toll Fax: +32 3 450 2815
In the Pacific: +800 7776 7776; Fax: +800 7779 7779
In Other Global Areas: 1-989-832-1556; Fax: 1-989-832-1465

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