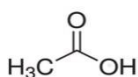




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Chemicals for all

## Acetic Acid

<b>Chemical (IUPAC) Name</b>	: Acetic Acid
<b>Trade Name</b>	: Glacial Acetic Acid
<b>Synonyms</b>	: E260, ethanoic acid
<b>Chemical Formula</b>	: C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> or CH <sub>3</sub> COOH or HC <sub>2</sub> H <sub>3</sub> O <sub>2</sub>
<b>Appearance</b>	: Colorless Oily Liquid
<b>Odor</b>	: Sour and Pungent
<b>Molar mass</b>	: 60.052 g/mol
<b>Density</b>	: 1.05 g/cm <sup>3</sup> , liquid
<b>CAS Registry Number</b>	: 64-19-7
<b>EINECS Number</b>	: 200-580-7
<b>HS Code</b>	: 29152100
<b>Chemical Structure</b>	:



**Acetic Acid** systematically named ethanoic acid is a colourless liquid organic compound with the chemical formula CH<sub>3</sub>COOH (also written as CH<sub>3</sub>CO<sub>2</sub>H, C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>, or HC<sub>2</sub>H<sub>3</sub>O<sub>2</sub>).

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Acetic acid is a simple monocarboxylic acid containing two carbons. It has a role as a protic solvent, a food acidity regulator, an antimicrobial food preservative and a *Daphnia magna* metabolite. It is a conjugate acid of an acetate.

Flash point 104°F. Density 8.8 lb / gal. Corrosive to metals and tissue. Used to make other chemicals, as a food additive, and in petroleum production.

Acetic acid is the second simplest carboxylic acid (after formic acid). It consists of a methyl group attached to a carboxyl group. It is an important chemical reagent and industrial chemical, used primarily in the production of cellulose acetate for photographic film, polyvinyl acetate for

**MAINCHIN CHEMICALS PRIVATE LIMITED**

CIN: U24299WB2020PTC237396

+91 33 4008 8625

+91 94732 92009 | +852 812 09425

[mainchin@mainchingroup.com](mailto:mainchin@mainchingroup.com)

<https://mainchingroup.com>





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wood glue, and synthetic fibres and fabrics. In households, diluted acetic acid is often used in descaling agents. In the food industry, acetic acid is controlled by the food additive code E260 as an acidity regulator and as a condiment. In biochemistry, the acetyl group, derived from acetic acid, is fundamental to all forms of life. When bound to coenzyme A, it is central to the metabolism of carbohydrates and fats.

The global demand for acetic acid is about 6.5 million metric tons per year (Mt/a), of which approximately 1.5 Mt/a is met by recycling; the remainder is manufactured from methanol. Vinegar is mostly dilute acetic acid, often produced by fermentation and subsequent oxidation of ethanol

## Specifications

- Assay :99% w/w minimum
- Residue on ignition :0.2% w/w maximum
- Fe content :0.05% w/w maximum
- Pb content :0.010% w/w maximum
- Boiling point :116 - 118 °C
- Melting point :16.6 °C
- Specific gravity :1.087
- Vapour density :1.0491 at 20°C

## Description

Acetic acid, glacial appears as a clear colourless liquid with a strong odour of vinegar.

## Applications

**In food**:- Acetic acid is used as a sour agent added in vinegar, pickled vegetables, and sauce, and as a raw material for spice

**In Cleaning** :- Acetic acid is the acid in clear white vinegar and is a natural all-purpose cleaning agent. It is best for general household cleaning on surfaces that can tolerate a strong, acidic product. After using alkaline cleaners, acetic acid can be used as a mild deliming rinsing agent.

## Packaging

Acetic acid is available in tankers.

For more information and order, please send us email to [acetic.acid@mainchingroup.com](mailto:acetic.acid@mainchingroup.com) and visit our websites <https://mainchingroup.com/products/>

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