

Ethyl acetate

Chemical Identity

<i>Brand names</i>	Ethyl acetate	<i>CAS number</i>	141-78-6
<i>Chemical name (IUPAC)</i>	Ethyl ethanoate	<i>Molecular formula</i>	C₄H₈O₂
<i>Synonyms</i>	Acetic acid ethyl ester; Ethyl ester; Acetic ester	<i>Molecular weight</i>	88.1 g/mol

Applications

Ethyl acetate is used as a solvent in coatings, inks, adhesives, and agrochemicals primarily in industry and by professional workers, but also has limited use in these applications by consumers. It is also found as a solvent in a number of consumer cosmetic products.

Safety Assessment, Exposure and Risk Management Recommendations

Physical and Chemical properties

Property	Result
Physical state	Liquid
Colour	Colourless
Odour	Fruity
Boiling point	77°C
Relative density	0.9 at 20°C
Flash point	-4°C
Vapour pressure	Volatile organic compound
Water solubility	Very soluble
Octanol water partition	Not potentially bioaccumulable

Health effects



Ethyl acetate is a highly flammable liquid. It is a mild eye irritant and may cause drowsiness and dizziness if inhaled in high concentrations.

For industrial uses, safety measures must be respected. For more details, please refer to the Safety Data Sheet.

For consumer applications, it is used in suitable concentrations according to appropriate regulations.

Environmental effects



Ethyl acetate is readily biodegradable and not potentially bioaccumulable. It is not classified as dangerous for the environment.

Industrial emissions must comply with applicable regulations to preserve the environment.