

70300 Ethyl Acetate

Colorless, clear, aromatic liquid with agreeable smell.

Ethyl acetate is readily soluble in alcohol, ether, chloroform, fatty oils and essential oils. Ethyl acetate is soluble in 12 times the amount of water, in which it slowly decomposes under the influence of light and air to alcohol and acetic acid. Therefore the solution slowly turns acid.

Ethyl acetate is a good solvent for cellulose nitrate, celluloid, oils, chlorinated rubber, colophonium, gum copal, vinyl resins, ect.

Application

Ethyl acetate is used as a component of artificial apple, pear, strawberry, raspberry and black current ether; to give aroma to sweets, fruit juices, liqueurs, lemonades, as solvent for collodium cotton, nitro cotton, celluloid, etc., and in the preparation of caffeine-free coffee.

Formula: $\text{CH}_3\text{CO}_2\text{CH}_2\text{CH}_3$
Hazard symbol: F = flammable
Synonym(s): Acetic acid ethyl ester
Description: Colorless liquid with characteristic aromatic odor
MAK-Value: 400 ppm

Properties

Highly volatile, flammable liquid with combustible fumes (heavier than air). Combustion can be caused by hot surfaces, sparks and naked flames.

Health hazard

At high concentrations the fumes can cause narcotic effects. Due to its high vapor pressure, a hazardous concentration level is quickly reached. The fumes irritate skin and mucous membranes. Skin contact with product can cause skin irritations due its strong degreasing effect.

Comments

Not miscible with water, floats on water surface. A large amount of ethyl acetate is hazardous to all water systems (M).

Store in tightly closed containers since ethyl acid is hygroscopic. Contact with water and especially bases decomposes product in acetic acid and ethyl alcohol.

Ethyl acetate complies to the RoHS Directive 2011/65/EU of the European Union.