

TECHNICAL BULLETIN



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ACETIC ACID

MATERIAL & FUNCTION

Synonyms: Ethanoic acid, vinegar, ethylic acid, vinegar acid, methanecarboxylic acid, TCLP extraction fluid 2, shotgun, glacial acetic acid, glacial ethanoic acid

Acetic acid is hygroscopic, meaning that it tends to absorb moisture. It mixes with ethyl alcohol, glycerol, ether, carbon tetrachloride and water and reacts with oxidants and bases. Concentrated acetic acid is corrosive and attacks many metals forming flammable or explosive gases. It can also attack some forms of plastic, rubber and coatings.

APPLICATION

Acetic acid is used in a number of topical medical preparations, including the destruction of warts, in eardrops, as an expectorant, liniment and astringent. It is used in the manufacture of a number of chemical compounds, plastics, pharmaceuticals, dyes, insecticides, photographic chemicals, vitamins, antibiotics, cosmetics and hormones. It is used as an antimicrobial agent, latex coagulant and oil-well acidifier. It is used in textile printing, as a preservative in foods and as a solvent for gums, resins and volatile oils

PROPERTIES

CAS number: 64-19-7

Molecular formula: $C_2H_4O_2$

Acetic acid is a colourless liquid; with a strong vinegar-like odour. It is flammable, and at temperatures warmer than 39°C, explosive vapour/air mixtures may be formed. Acetic acid is considered a volatile organic compound.

Specific Gravity: 1.049 @ 25°C

Melting Point: 16.7°C

Boiling Point: 118°C

Vapour pressure: 1.5 kPa @ 20°C

CAUTION

ACID KLEN LIQUID is acidic and contact with skin should be avoided. If splashed, thoroughly wash skin with water and remove contaminated clothing.

PACKAGING

Available in concentrations of : glacial, 90%, 75% 45%, 15%
5, 15 and 1000L containers.

IMPORTANT NOTICE TO CUSTOMER

Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user.

ALWAYS TEST FIRST.

