

# TECHNICAL BULLETIN



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Date of Issue: 4/4/2016

Last revision: February 2016

File C:\Users\Conrado Concepcion\AppData\Local\Temp\WordHelper\AceticAcid.docx

## ACETIC ACID

### ACETIC ACID 90% Food Grade

CONTAINS 900 g/kg Acetic Acid

#### Danger

**Flammable liquid and vapour.**

**Causes severe skin burns and eye damage**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**EMERGENCY INFORMATION:** Fire: In case of fire: Use dry chemical, carbon dioxide, or alcohol resistant foam for extinction.

Use water spray ONLY to cool fire-exposed containers or disperse vapours if they have not ignited. Spills: Eliminate ignition sources.

Absorb onto earth or vermiculite. Transfer into clean labelled drums. Dispose of according to government regulations. A dditional information is listed in the Material Safety Data Sheet.

**IN AN EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE**



UN 2789 ACETIC ACID SOLUTION, CLASS 8  
SUBCLASS 3 HAZCHEM \*2P PG II

CONTENTS 1010kg nett  
BATCH NO. 41412



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1 1 3 0 0 2 5 5

### 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

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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 CLEANLIQUID** 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%  
5lt, 15lt 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.**