



Product Specification

Product Name: ETHANOL DENATURED F3-100 LR

Alternate Name(s) Ethyl alcohol.

Description

Colourless, clear and volatile liquid; ethereal vinous odour; pungent taste.

Properties

Chemical Formula: C₂H₅OH

Molecular Weight: 46.07

Product Code: EL027

CAS No.: 64-17-5

General Information:

Miscible with water, methanol and ether. Incompatible with oxidising agents, peroxides, acids, alkali metals and ammonia. Highly flammable liquid.

Hazard and Safety Data

UN Group: II
Class: 3
UN Number: 1170
Hazchem code: •2YE
CS MSDS Code: 1CH90
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 14

Quality Specification

Assay: 99.7% - 100.0% v/v

Specific Properties and Impurities [Typical levels]:

Melting Point	-117.3 °C
Flammable Limits - Lower	3.5%Vol
Flash Point	9 °C
Volatile Component	100%
Vapour Density (Air=1)	1.59
Vapour Pressure (@ 20 °C)	5.7 kPa
Relative Density (@20°C/20°C)	0.7904 - 0.7920 g/cm ³
Boiling Point	78.3°C
Flammable Limits - Upper	19%Vol
Acidity or Alkalinity (as Acetic acid)	0.003%
Water Content	0.5% by weight
Aldehydes & Ketones (as Acetaldehyde)	0.01%
Reducing Substances	30 minutes (min.)
Non Volatile Matter	0.0025%
Denaturants	2% v/v Methanol
Benzene	0.0002%

Tests are carried out prior to the addition of denaturants

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