

ETHYL ACETATE**Product Number 100****Packaged in 4L and 1L Glass Bottles and 20L NOWPAK[®] “Bag-in-a-Bottle” Containers****Specifications:**

Water: Less than 0.03% by Karl Fischer titration

Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
275	0.050
300	0.030
325	0.005
400	0.005

Refractive index: 1.3723 ± 0.0004 at 20°C

Residue: Less than one mg/L

Purity: Greater than 99.9% by GC analysis.

Electron capture GC: No residue peaks greater than 10 ng/L as heptachlor epoxide

Physical Properties:

Molecular weight: 88.11

Boiling point: 77°C(171°F)

Vapor pressure: 73.0 mm Hg at 20°C

Freezing point: -84°C(-119°F)

Refractive index: 1.3724 at 20°C

Density: 0.9006 g/mL (7.516 lb/gal) at 20°C

0.8945 g/mL (7.465 lb/gal) at 25°C

Dielectric constant: 6.02 at 25°C

Dipole moment: 1.88 D at 25°C

Solvent group: 6

Polarity index (P'): 4.4

Eluotropic value on alumina: 0.58

Viscosity: 0.45 cP at 20°C

Surface tension: 23.75 dyn/cm at 20°C

Solubility in water: 9% at 20°C

Solubility of water in ethyl acetate: 3.3% at 20°C

Regulatory and Safety Data:

DOT Hazard Class: 3, Pkg Grp II, UN1173, Flammable Liquid

Store in an area designed for flammable storage, or in an approved metal cabinet, away from direct sunlight and sources of ignition.

EPA applicable waste code(s): U112, D001, F003

Flash point: 24°F (-4°C) by closed cup

Lower explosive limit: 2.0%

Upper explosive limit: 11.5%

Time Weighted Average: 400 ppm ACGIH

Refer to Material Safety Data Sheet for additional regulatory, health and safety information.**Suggested Applications:**

For HPLC, gas chromatography, pesticide residue analysis and spectrophotometry.