

**Honeywell Burdick & Jackson®**

1953 South Harvey Street  
Muskegon, MI 49442

**ETHYL ACETATE****Product Number AH100****Packaged in 4L Glass Bottles****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
350	0.005

Refractive index:  $1.3723 \pm 0.0004$  at 20°C

Residue: Less than one mg/L

Purity: Greater than 99.9% by GC analysis

Color (APHA): Less than 10

Titrable acid: Less than 0.9  $\mu\text{eq/g}$ 

Substance darkened by sulfuric acid: Passes ACS test

**Physical Properties:**

Molecular weight: 88.11

Boiling point: 77°C(171°F)

Vapor pressure: 73.0 mm Hg@t 20°C

Freezing point: -84°C(119°F)

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 health and safety information.****Suggested Applications:**

For HPLC, spectrophotometry and applications requiring ACS Reagent Grade solvents.