

Honeywell Burdick & Jackson®

1953 South Harvey Street
Muskegon, MI 49442

TOLUENE**Product Number AH347****Packaged in 4L Glass Bottles****Specifications:**

Water: Less than 0.03% by Karl Fischer titration

Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
284	1.000
300	0.100
325	0.025
350	0.005
400	0.005

Refractive index: 1.4967 ± 0.0004 at 20°C

Residue: Less than three mg/L

Purity: Greater than 99.8% by GC analysis

Color (APHA): Less than 10

Substances darkened by sulfuric acid: Passes ACS test

Sulfur compounds: Less than 0.003% as S

Physical Properties:

Molecular weight: 92.14

Boiling point: 110.62°C/760mm Hg

Vapor pressure: 28.5 @ 20°C

Freezing point: -95°C

Refractive index: 1.4969 at 20°C

Density: 0.8669 g/mL (7.234 lb/gal) at 20°C

0.8623 g/mL (7.196 lb/gal) at 25°C

Dielectric constant: 2.38 at 25°C

Dipole moment: 0.31 D at 20°C

Solvent group: 7

Polarity index (P'): 2.4

Eluotropic value on alumina: 0.29

Viscosity: 0.59 cP at 20°C

Surface tension: 28.53 dyn/cm at 20°C

Solubility in water: 0.074% at 20°C

Solubility of water in toluene: 0.033% at 25°C

Regulatory and Safety Data:

DOT Hazard Class: 3, Pkg Grp II, UN 1294, Flammable Liquid

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

EPA Waste Code(s): U220, D001

Flash point: 40°F (4°C) by closed cup

Lower explosive limit: 1.1%

Upper explosive limit: 7.1%

Time Weighted Average: 20 ppm ACGIH

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

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