

**Honeywell Burdick & Jackson®**

1953 South Harvey Street  
Muskegon, MI 49442

**ACETONE****Product Number AH010****Packaged in 4L Glass Bottles****Specifications:**

Water: Less than 0.50% by infrared adsorption

Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
330	1.000
340	0.080
350	0.010
375	0.005
400	0.005

Refractive index:  $1.3586 \pm 0.0003$  at 20°C

Residue: Less than three mg/L

Purity: Greater than 99.9% GC analysis, excluding water

Solubility in water: Passes ACS test

Color (APHA): Less than 10

Titrable acid: Less than 0.3  $\mu\text{eq/g}$ Titrable base: Less than 0.6  $\mu\text{eq/g}$ 

Aldehyde: Less than 0.002% as HCHO

Isopropyl alcohol: Less than 0.05%

Methanol: Less than 0.05%

Substances reducing permanganate: Passes ACS test

**Physical Properties:**

Molecular weight: 58.08

Boiling point: 56.29°C

Vapor pressure: 184.5 Torr at 20°C

Freezing point: -94.7°C

Refractive index: 1.3587 at 20°C

Density: 0.7900 g/mL (6.592 lb/gal) at 20°C

0.7844 g/mL (6.546 lb/gal) at 25°C

Dielectric constant: 20.7 at 25°C

Dipole moment: 2.69 D at 20°C

Solvent group: 6

Polarity index (P'): 5.1

Eluotropic value on alumina: 0.56

Eluotropic value on octadecylsilane: 8.8

Eluotropic value on silica: 0.53

Viscosity: 0.36 cP at 20°C

Surface tension: 23.32 dyn/cm at 20°C

Solubility in water: Miscible in all proportions

**Regulatory and Safety Data:**

DOT Hazard Class: 3, Pkg Grp II, UN 1090, 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 applicable waste code(s): U002, F003, D001

Flash point: -4°F (-20°C) by closed cup

Lower explosive limit: 2.5%

Upper explosive limit: 12.8%

Time Weighted Average: 750 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.