

Honeywell Burdick & Jackson®

1953 South Harvey Street
Muskegon, MI 49442

ACETONE**Product Number 010****Packaged in 4L and 1L Glass Bottles and 20L NOWPAK® “Bag-in-a-Bottle” Containers****Specifications:**

Packed under nitrogen

Water: Less than 0.50% by infrared absorption

Ultraviolet absorbance:

| Wavelength, nm | Maximum Absorbance |
|----------------|--------------------|
| 330 | 1.000 |
| 340 | 0.060 |
| 350 | 0.010 |
| 375 | 0.005 |
| 400 | 0.005 |

Refractive index: 1.3586 ± 0.0003 at 20°C

Residue: Less than one mg/L

Purity: Greater than 99.9% by GC analysis, excluding water

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

Physical Properties:

Molecular weight: 58.08

Boiling point: 56°C(133°F)

Vapor pressure: 180mm Hg at 20°C

Freezing point: -94.8°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, D001

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

Lower explosive limit: 2.5%

Upper explosive limit: 13%

Time Weighted Average: 500 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.