

Honeywell Burdick & Jackson®

1953 South Harvey Street
Muskegon, MI 49442

n-BUTYL CHLORIDE

Product Number 034
Packaged in 4L and 1L Glass Bottles

Specifications:

Water: Less than 0.02% by Karl Fischer titration
Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
220	1.000
225	0.500
250	0.010
300	0.005
400	0.005

Refractive index: 1.4017 ± 0.0008 at 20°C
Residue: Less than one mg/L
Acidity: Not detectable (less than one mg/L as HCl)
Chloride: Not detectable (less than 10 mg/L)
Purity: Greater than 99.5% by GC analysis

Physical Properties:

Molecular weight: 92.58
Boiling point: 78°C
Vapor pressure: 80.1 mm Hg @ 20°C
Freezing point: -123°C
Refractive index: 1.4021 at 20°C
Density: 0.8862 g/mL (7.395 lb/gal) at 20°C
0.8809 g/mL (7.351 lb/gal) at 25°C
Dielectric constant: 7.39 at 20°C
Dipole moment: 1.90 D at 25°C
Solvent group: 5
Polarity index (P'): 1.0
Eluotropic value on alumina: 0.26
Viscosity: 0.45 cP at 20°C
Surface tension: 23.75 dyn/cm at 20°C
Solubility in water: 0.066% @ 12°C
Solubility of water in n-butyl chloride: 0.08% at 20°C

Regulatory and Safety Data:

DOT Hazard Class: 3, Pkg Grp II, UN1127, 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): D001
Flash point: 15°F (-9°C) by closed cup
Lower explosive limit: 1.8%
Upper explosive limit: 10.1%
Special hazard: Toxic and corrosive gases are formed when heated to decomposition or ignited.
Time Weighted Average: Not listed

Refer to Material Safety Data Sheet for additional regulatory, health and safety information.

Suggested Applications:

For HPLC, gas chromatography and spectrophotometry.