

Honeywell Burdick & Jackson®

1953 South Harvey Street
Muskegon, MI 49442

CHLOROFORM **Product Number 049**
Contains Amylene Preservative Packaged in 4L and 1L Glass Bottles

Specifications:

Packed under nitrogen
Preservative: Amylene
Water: Less than 0.02% by Karl Fischer titration
Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
245	1.000
250	0.300
275	0.005
300	0.005
400	0.005

Refractive index: 1.4459 ± 0.0005 at 20°C
Residue: Less than one mg/L
Purity: Greater than 99.9% by GC analysis
Suitability for use in dithizone tests: Passes test
Substances darkened by sulfuric acid: Passes test
Acidity: Not detectable (less than one mg/L as HCl)
Chloride: Not detectable (less than 10 mg/L)
Electron capture GC: No residue peaks greater than 10 ng/L as heptachlor epoxide

Physical Properties:

Molecular weight: 119.37
Boiling point: 62°C
Vapor pressure: 159mm Hg at 20°C
Freezing point: -64°C
Refractive index: 1.4458 at 20°C
Density: 1.4892 g/mL (12.427 lb/gal) at 20°C
1.4798 g/mL (12.349 lb/gal) at 25°C
Dielectric constant: 4.81 at 20°C
Dipole moment: 1.15 D at 25°C
Solvent group: 8
Polarity index (P'): 4.1
Eluotropic value on alumina: 0.40
Eluotropic value on silica: 0.26
Viscosity: 0.57 cP at 20°C
Surface tension: 27.16 dyn/cm at 20°C
Solubility in water: 0.8% at 20°C
Solubility of water in chloroform: 0.056% at 20°C

Regulatory and Safety Data:

DOT Hazard Class: 6.1, Pkg Grp III, UN1888, Toxic
Store in a cool dry area, away from direct sunlight.
EPA applicable waste code(s): U044, D022
Flash point: None
Lower explosive limit: not established
Upper explosive limit: not established
Time Weighted Average: 10 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.