

Honeywell Burdick & Jackson®

1953 South Harvey Street
Muskegon, MI 49442

CHLOROFORM
Contains Amylene Preservative**Product Number AH049**
Packaged in 4L Glass Bottles**Specifications:**

Preservative: Amylene

Water: Less than 0.02% by Karl Fischer titration

Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
245	1.000
250	0.330
275	0.020
300	0.005
400	0.005

Refractive index: 1.4459 ± 0.0005 at 20°C

Residue: Less than three mg/L

Purity: Greater than 99.9% by GC analysis

Color (APHA): Less than 10

Acetone and aldehyde: Passes test [less than 0.005% as (CH₃)₂CO]

Free chlorine: Passes test

Lead: Less than 0.05 ppm

Suitability for dithizone tests: Passes test

Physical Properties:

Molecular weight: 119.37

Boiling point: 62°C(143°F)

Vapor pressure: 159mm Hg at 20°C

Freezing point: -64°C(-82°F)

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 listed

Upper explosive limit: not listed

Time Weighted Average: 10 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.