

Honeywell Burdick & Jackson®

1953 South Harvey Street
Muskegon, MI 49442

METHANOL**Product Number 230**

Packaged in 4L and 1L Glass Bottles

Specifications:

Water: Less than 0.05% by Karl Fischer titration

Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
205	1.000
225	0.160
250	0.020
300	0.005
400	0.005

Refractive index: 1.3284 ± 0.0004 at 20°C

Residue: Less than one mg/L

Purity: Greater than 99.9% by GC analysis

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

HPLC gradient elution: No UV absorbing peak greater than 0.005 absorbance unit at 220 nm (1 cm path length) in a gradient from 95% water to 100% methanol on a 15 x 0.46 cm column with 5 μ M HLD C8 packing.

Fluorescence: No impurity greater than 0.3 ppb as quinine base at emission of 450 nm after excitation at 350 nm.

Physical Properties:

Molecular weight: 34.04

Boiling point: 64.7°C (148.5°F)

Vapor pressure: 97 mm Hg at 20° C

Freezing point: Not applicable

Refractive index: 1.3284 at 20°C

Density: 0.7913 g/mL (6.603 lb/gal) at 20°C

0.7866 g/mL (6.564 lb/gal) at 25°C

Dielectric constant: 32.70 at 25°C

Dipole moment: 2.87 D at 20°C

Solvent group: 2

Polarity index (P'): 5.1

Eluotropic value on alumina: 0.95

Eluotropic value on octadecylsilane: 1.0

Viscosity: 0.059 cP at 20°C

Surface tension: 22.55 dyn/cm at 20°C

Solubility in water: Miscible in all proportions

Regulatory and Safety Data:

DOT Hazard Class: 3, Pkg Grp II, UN 1230, Flammable Liquid or Flammable Liquid and Toxic (International)

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): U154, D001

Flash point: 52°F (11°C) by closed cup

Lower explosive limit: 6.0%

Upper explosive limit: 36.0%

Time Weighted Average: 200 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.