

DICHLOROMETHANE

Contains Amylene Preservative

Product Number 299
Packaged in 4L Glass Bottles

Specifications:

Preservative: Amylene
Water: Less than 0.01% by Karl Fischer titration
Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
233	1.000
240	0.100
250	0.010
300	0.005
400	0.005

Refractive index: 1.4241 ± 0.0005 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 99.9% by GC analysis

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

Flame ionization GC: No contamination peaks greater than five ng/mL, having a retention time of toluene

or greater, on 5% phenyl/95% methyl silicone capillary column for a splitless injection of a 500-fold concentrate of the sample.

Physical Properties:

Molecular weight: 84.94

Boiling point: 40°C(104°F)

Vapor pressure: 350 mm Hg at 20°C

Freezing point: -95°C

Refractive index: 1.4241 at 20°C

Density: 1.326 g/mL (11.06 lb/gal) at 20°C

1.317 g/mL (10.99 lb/gal) at 25°C

Dielectric constant: 8.93 at 25°C

Dipole moment: 1.14 D at 25°C

Solvent group: 5

Polarity index (P'): 3.1

Elutropic value on alumina: 0.42

Viscosity: 0.44 cP at 20°C

Surface tension: 28.12 dyn/cm at 20°C

Solubility in water: 1.32 gm/100gm@25°C

Solubility of water in dichloromethane: 0.24% at 20°C

Regulatory and Safety Data:

DOT Hazard Class: 6.1, Pkg Grp III, UN 1593, Keep Away From Food

Store in a cool, dry, well ventilated area, away from direct sunlight. Keep container(s) closed.

EPA applicable waste code(s): U080

Flash point: None by closed cup

Lower explosive limit: 12.0%

Upper explosive limit: 19.0%

Time Weighted Average: 50 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.