

# Typical Product Specifications & Properties

## Methyl bromide

**CAS Number: : 74-83-9**

Specifications	Limits
Molecular weight	94.94
InChI	1S/CH3Br/c1-2/h1H3
InChIKey	GZUXJHMPEANEGY-UHFFFAOYSA-N
log P (octanol-water)	1.19
Atmospheric OH Rate Constant	4.02E-14 cm <sup>3</sup> /molecule-sec
Water solubility	1.52E+04 mg/L
Melting Point	-9.37E+01 &deg; C
Henry's Law Constant	0.00734 atm-m <sup>3</sup> /mole
Boiling Point	3.5 &deg; C
Vapor Pressure	1620 mm Hg
Boiling Point	4 &deg;C
Storage Temperature	2-8&deg;C

Specifications	Limits
Melting Point	-94 &deg;C
Refractive Index	1.4432
Water solubility	1.522 g/100 mL
Vapor Pressure	1420 mm Hg ( 20 &deg;C)
Stability	Stable. Incompatible with oxidizing agents, strong acids. This is an ozone-depleting chemical, and its use is restricted in many countries.
Merck	13,6056
Flash Point	-34 &deg;C
Density	3.3 g/mL at 25 &deg;C
Vapor Density	3.3 (20 &deg;C, vs air)