

Methanol

Technical Data Sheet

BC13125E

UN: 1230

Chemical Formula: CH₃OH

Molecular Weight: 32.04

Material Description

Methanol is a colourless liquid with an alcohol-like odour. It is one of the basic chemicals of the organic chemical industry. A high standard of purity is required consistently exceeding 99.85%. Methanol is completely soluble in alcohol, water, and ether.

Specification

Property	Typical Values
Acetone (% w/w)	0.003 maximum
Acidity (acetic acid, % wt)	0.003 maximum
Appearance	Clear and free
Boiling point (@ 760mmHg, C)	64.6
Coefficient of cubical expansion per F°	0.666 x 10 ⁻³
per C°	1.199 x 10 ⁻³
Colour (Pt/Co)	5 maximum
Evaporation rate (n-BUAC=1)	3.7
Heat of vaporization (cal/g)	262.8
Non volatile residus (% wt)	0.001 maximum
Permanganate (minutes @ 15°C)	60 minutes
Purity (%)	99.85 minimum
Refractive index	1.3290
Specific heat @ 0°C	0.566
* 20°C	0.599
Specific gravity @ 20°C / 4°C	0.791
@ 20°C / 20°C	0.793
Vapour density (air=1)	1.11
Vapour pressure (@ 20°C, mmHg)	96.0
Viscosity (@ 20°C, cp)	0.593

Applications: Windshield washer solvent, gasoline additive, paint remover, combustible, printing ink, pulp and paper industry.

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