

**SC VIROMET SA**

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Chemical formula : CH₃OH
 Nr.CAS # : 67-56-1
 Nr.EINECS :200-659-6

MATERIAL DATA SHEET

Code PS-MI-F06/27 ; pag. 1/1 (fisa 8)

M E T H A N O L

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Drawn up : S.TH-P; S.CTC

GENERAL, USE

Methanol is used for the manufacture of formaldehyde, formic acid, methyl chloride and methyl sulphate, in the organic synthesis industry, medicine industry, as an antifreeze agent and as a solvent in various industrial branches.

QUALITY REQUIREMENTS

Characteristic name	Unit of Measure	Limits	Analysis methods
Appearance	-	clear liquid	visual
Odour	-	characteristic non-residual	ASTM D 1296-01
Purity, on dry basis, min.	% weight	99.90	ST 26-2003
Colour, Pt-Co ,max	Pt-Co scale	5	ASTM D 1209-05
Density at 20°C,max.	g/ml	0.791-0.793	SR ISO 758-95
Hydrocarbons	-	passes the test	ASTM D 1722-04
Distillation range at 760 mm Hg, max.	°C	1°C, which include 64.6±0,1°C	ASTM D 1078-05
Acetone, max.	ppm	30	ASTM E 346-99 (2003)
Potassium permanganate time, test at 15 °C, min.	minutes	60	ASTM D 1363-01
Carbonizable substances (test with sulphuric acid) , Pt-Co scale, max.	Pt-Co scale	30	ASTM E 346-03
Acidity (acetic acid), max.	ppm	30	ASTM D 1613-03
Total iron, max.	ppm	0.3	ASTM E 394-00 (2004)
Water, max.	ppm	500	SR ISO 760-94
Residue from evaporation, max.	ppm	8	SR ISO 759-94
Chloride (Cl ⁻), max.	ppm	0.5	ST 26-2003
Sulphur, max.	ppm	0.5	BS 506-2 : 1984

ST- VIROMET's technical specification
 SR ISO-International standard adopted by Romania

ASTM –American standard
 BS– British standard

Packing, Storage, Transportation

The packing, marking and labeling are done according to the regulations in force concerning hazardous chemical substances and preparations. Methanol is delivered in authorized packaging equipped with seals attachment systems. The product is stored in tight containers or as delivered, away from heat sources. The containers kept in the open air must be protected by sunshields and equipped with dry nitrogen cushion. The product is transported by means of transportation in compliance with the RID/ADR regulations in force, for hazardous substances.

RID/ADR Classification :

- **UN No. 1230, METHANOL, Class 3, Packing group II,**
- Code FT 1, Labels 3+6.1 , Hazard identification No. 336.

ADR exceptions, concerning the transported amounts per transportation unit : 333 liters (264 kg)

Safety Measures

The handling of this product must be done only by trained personnel that are equipped with proper protective equipment.

Risk phrases R: 11- 23/24/25- 39/23/24/25 ; Safety phrases S: 1/2-7-16-36/37-45.

Warranty

The product has a warranty period of 3 months from the production date, provided that the above-mentioned packing, storage and transportation provisions are complied with.