

DME

NAME: DME

TYPE: DIMETHYL ETHER

CHEMICAL FORMULA: CH₃-O-CH₃

TYPICAL USE: BLOWING AGENT - AEROSOL PROPELLANT - SOLVENT

SPECIFICATIONS:

Purity	> 99,9	% wt
Moisture	< 50	ppm
C1-C4	< 0,1	% wt
Total Solphur	< 1,0	ppm
Methanol	< 1,0	ppm
Odour	tipical	
Residue	< 10	ppm

CHEMICAL - PHYSICAL PROPERTIES:

Molecular weight	40,07	kg/kmol
Boiling point at 1.013 bar	-24,9	°C
Flash Point	-41	°C
Autoignition Temperature	350	°C
Liquid density at 20° C	668	Kg/m ³
Liquid density at 50° C	615	Kg/m ³
Vapour density at 15° C - 1 bar - Air = 1	1,640	Kg/m ³
Vapour pressure at 20°C	4,2	Bar
Vapour pressure at 50°C	10,2	Bar
Water solubility (DME in H ₂ O - 20° - 4,8 bar)	36	%
Water solubility (H ₂ O in DME - 20° - 4,8 bar)	5,5	%
Kauri Butanol Number	91	
Viscosity (gas)	0,0091	mPas
Viscosity (liquid)	0,11	mPas
Lower flammability limit in air	3,4	vol %
Upper flammability limit in air	18	vol %
GWP	1	
ODP	0	
ADR/RID	2.1	
UN NUMBER	1033	
CAS	115-10-6	
EINECS	204-065-8	

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