

Ethanol, 2-methoxy-

Other names:

1,2-ethanediol, methyl ether
1,2-ethanediol, monomethyl ether
1-Hydroxy-2-methoxyethane
2-Hydroxyethyl methyl ether
2-Methoxy-1-ethanol
2-Methoxy-aethanol
2-Methoxyethanol
2-Methoxyethyl alcohol
2-Metossietanolo
2-methoxyethan-1-ol
2-methoxyethanol (methyl cellosolve)
3-Oxa-1-butanol
Aethylenglykol-monomethylaether
Amsco-Solv EE
Dowanol EM
EGM
EGME
Ektasolve EM
Ether monomethylique de l'ethylene-glycol
Ethylene glycol methyl ether
Ethylene glycol monomethyl ether
Glycol ether EM
Glycol monomethyl ether
Glycolmethyl ether
HOCH2CH2OCH3
Jeffersol EM
MECS
Methoxyethanol
Methoxyethylene glycol
Methoxyhydroxyethane
Methyl cellosolve
Methyl ethoxol
Methyl glycol
Methyl icinol
Methyl oxitol
Methylcelosolv
Methylglykol
Metil cellosolve
Metoksyetylowy alkohol
Monoethylene glycol methyl ether

Monomethyl ether of ethylene glycol

Monomethyl glycol

NSC 1258

Poly-Solv EM

Prist

UN 1188

ethylene glycol, monomethyl ether

«beta»-Methoxyethanol

Â«betaÂ»-Methoxyethanol

Inchi: InChI=1S/C3H8O2/c1-5-3-2-4/h4H,2-3H2,1H3

InchiKey: XNWFRZJHXBZDAG-UHFFFAOYSA-N

Formula: C3H8O2

SMILES: COCCO

Mol. weight [g/mol]: 76.09

CAS: 109-86-4

Physical Properties

Property code	Value	Unit	Source
affp	768.80	kJ/mol	NIST Webbook
basg	729.80	kJ/mol	NIST Webbook
chl	-1880.00	kJ/mol	NIST Webbook
dvisc	0.0015119	Pa×s	Volumetric and Viscometric Properties of Binary Liquid Mixtures of Ethylene Glycol Monomethyl Ether + 1-Hexanol, 1-Octanol, and 1-Decanol at Temperatures of T = (293.15, 298.15, 303.15, and 308.15) K
gf	-267.44	kJ/mol	Joback Method
hf	-376.90 ± 8.10	kJ/mol	NIST Webbook
hf	-395.90	kJ/mol	NIST Webbook
hfl	-422.00 ± 7.60	kJ/mol	NIST Webbook
hfl	-441.00	kJ/mol	NIST Webbook
hfus	8.80	kJ/mol	Joback Method
hvap	45.20 ± 0.20	kJ/mol	NIST Webbook
hvap	45.10	kJ/mol	NIST Webbook
hvap	45.20	kJ/mol	NIST Webbook
ie	10.13	eV	NIST Webbook
log10ws	0.57		Crippen Method
logp	-0.375		Crippen Method

mcpol	64.870	ml/mol	McGowan Method
pc	3600.00 ± 5.00	kPa	NIST Webbook
pc	5285.00 ± 20.00	kPa	NIST Webbook
rhoc	289.16 ± 6.85	kg/m3	NIST Webbook
rhoc	306.66 ± 3.04	kg/m3	NIST Webbook
rinpol	629.00		NIST Webbook
rinpol	618.00		NIST Webbook
rinpol	646.00		NIST Webbook
rinpol	626.00		NIST Webbook
rinpol	623.00		NIST Webbook
rinpol	616.00		NIST Webbook
rinpol	635.30		NIST Webbook
rinpol	629.00		NIST Webbook
rinpol	617.00		NIST Webbook
rinpol	617.00		NIST Webbook
rinpol	616.00		NIST Webbook
rinpol	617.00		NIST Webbook
rinpol	616.00		NIST Webbook
rinpol	588.00		NIST Webbook
rinpol	591.00		NIST Webbook
rinpol	595.00		NIST Webbook
rinpol	617.00		NIST Webbook
rinpol	624.00		NIST Webbook
rinpol	635.00		NIST Webbook
rinpol	630.00		NIST Webbook
ripol	1199.00		NIST Webbook
ripol	1172.00		NIST Webbook
ripol	1202.00		NIST Webbook
ripol	1180.00		NIST Webbook
ripol	1225.00		NIST Webbook
ripol	1184.00		NIST Webbook
ripol	1180.00		NIST Webbook
ripol	1199.00		NIST Webbook
tb	397.30	K	NIST Webbook
tb	397.50 ± 0.50	K	NIST Webbook
tb	397.70	K	NIST Webbook
tb	397.65 ± 0.40	K	NIST Webbook
tb	397.58	K	Evaluation of the 2-Methoxyethanol as Entrainer in Ethanol Water and 1-Propanol Water Mixtures
tb	397.36 ± 0.20	K	NIST Webbook

tb	397.67	K	Isobaric Vapor Liquid Equilibria for (Water + 1-Methoxy-2-propanol), (Water + 2-Methoxy-1-propanol), and (1-Methoxy-2-propanol + 2-Methoxy-1-propanol) at 101.3 kPa
tb	397.67	K	Isobaric vapor-liquid equilibrium data for methylcyclohexane + 2-methoxyethanol and methylcyclohexane + 2-ethoxyethanol at 50.00 and 101.33 kPa
tb	397.60 ± 1.00	K	NIST Webbook
tb	397.63	K	Isobaric vapor-liquid equilibrium for binary and ternary systems with toluene, 2-methoxyethanol and dimethyl sulfoxide at 101.3 kPa
tb	397.65	K	NIST Webbook
tb	397.70 ± 0.50	K	NIST Webbook
tb	397.60 ± 0.40	K	NIST Webbook
tc	597.60 ± 0.20	K	NIST Webbook
tc	571.00 ± 2.00	K	NIST Webbook
tf	188.05	K	NIST Webbook
vc	0.240	m3/kmol	Joback Method
volm	7.93e-05	m3/mol	Excess Gibbs Energies of the Ternary System 2-Methoxyethanol + Tetrahydrofuran + Cyclohexane and Other Relevant Binaries at 298.15 K

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	151.76	J/mol×K	545.53	Joback Method
cpg	126.06	J/mol×K	409.79	Joback Method
cpg	120.54	J/mol×K	382.64	Joback Method
cpg	141.87	J/mol×K	491.23	Joback Method
cpg	146.88	J/mol×K	518.38	Joback Method
cpg	136.72	J/mol×K	464.08	Joback Method
cpg	131.45	J/mol×K	436.94	Joback Method
cpl	174.90	J/mol×K	298.15	NIST Webbook
cpl	176.60	J/mol×K	298.15	NIST Webbook

cpl	175.38	J/mol×K	298.15	NIST Webbook
dvisc	0.0012570	Pa×s	308.15	Viscosity, Density, and Speed of Sound for the Binary Mixtures of Formamide with 2-Methoxyethanol, Acetophenone, Acetonitrile, 1,2-Dimethoxyethane, and Dimethylsulfoxide at Different Temperatures
dvisc	0.0010470	Pa×s	318.15	Density, Viscosity, and Speed of Sound of (1-Octanol + 2-Methoxyethanol), (1-Octanol + N,N-Dimethylacetamide), and (1-Octanol + Acetophenone) at Temperatures of (298.15, 308.15, and 318.15) K
dvisc	0.0012560	Pa×s	308.15	Density, Viscosity, and Speed of Sound of (1-Octanol + 2-Methoxyethanol), (1-Octanol + N,N-Dimethylacetamide), and (1-Octanol + Acetophenone) at Temperatures of (298.15, 308.15, and 318.15) K
dvisc	0.0015430	Pa×s	298.15	Density, Viscosity, and Speed of Sound of (1-Octanol + 2-Methoxyethanol), (1-Octanol + N,N-Dimethylacetamide), and (1-Octanol + Acetophenone) at Temperatures of (298.15, 308.15, and 318.15) K

dvisc	0.0012420	Pa×s	308.15	Densities, Excess Molar Volumes, Viscosities, Speeds of Sound, Excess Isentropic Compressibilities, and Relative Permittivities for CmH2m+1(OCH2CH2)nOH (m) 1 or 2 or 4 andn) 1) + Benzene, + Toluene, + (o-, m-, and p-) Xylenes, + Ethylbenzene, and + Cyclohexane
dvisc	0.0015920	Pa×s	298.15	Densities, Excess Molar Volumes, Viscosities, Speeds of Sound, Excess Isentropic Compressibilities, and Relative Permittivities for CmH2m+1(OCH2CH2)nOH (m) 1 or 2 or 4 andn) 1) + Benzene, + Toluene, + (o-, m-, and p-) Xylenes, + Ethylbenzene, and + Cyclohexane
dvisc	0.0015430	Pa×s	298.15	Viscosity, Density, and Speed of Sound for the Binary Mixtures of Formamide with 2-Methoxyethanol, Acetophenone, Acetonitrile, 1,2-Dimethoxyethane, and Dimethylsulfoxide at Different Temperatures
dvisc	0.0015440	Pa×s	298.15	Relative Permittivity, Viscosity, and Speed of Sound for 2-Methoxyethanol + Butylamine Mixtures

dvisc	0.0017080	Pa×s	293.15	Relative Permittivity, Viscosity, and Speed of Sound for 2-Methoxyethanol + Butylamine Mixtures
dvisc	0.0010510	Pa×s	318.15	Viscosity, Density, and Speed of Sound for the Binary Mixtures of Formamide with 2-Methoxyethanol, Acetophenone, Acetonitrile, 1,2-Dimethoxyethane, and Dimethylsulfoxide at Different Temperatures
dvisc	0.0014040	Pa×s	303.15	Relative Permittivity, Viscosity, and Speed of Sound for 2-Methoxyethanol + Butylamine Mixtures
hvapt	42.90	kJ/mol	362.50	NIST Webbook
hvapt	42.80	kJ/mol	378.00	NIST Webbook
hvapt	43.00	kJ/mol	371.50	NIST Webbook
hvapt	37.54	kJ/mol	397.30	NIST Webbook
hvapt	41.30	kJ/mol	273.00	NIST Webbook
pvap	23.50	kPa	356.90	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	68.60	kPa	386.66	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	60.50	kPa	383.30	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols

pvap	81.20	kPa	391.28	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	88.70	kPa	393.75	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	95.30	kPa	395.78	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	53.70	kPa	380.17	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	47.90	kPa	377.22	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	32.00	kPa	364.70	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	49.00	kPa	376.00	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa

pvap	57.50	kPa	380.60	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	66.00	kPa	384.50	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	74.50	kPa	388.10	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	83.00	kPa	391.30	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	91.50	kPa	394.40	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	100.00	kPa	397.20	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa

pvap	108.50	kPa	400.10	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	117.00	kPa	402.60	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	125.50	kPa	404.90	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	134.00	kPa	407.00	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	41.30	kPa	373.48	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	151.00	kPa	411.10	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	34.20	kPa	368.84	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols

pvap	168.00	kPa	414.70	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	176.50	kPa	416.60	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	101.30	kPa	397.67	Isobaric Vapor Liquid Equilibria for (Water + 1-Methoxy-2-propanol), (Water + 2-Methoxy-1-propanol), and (1-Methoxy-2-propanol + 2-Methoxy-1-propanol) at 101.3 kPa
pvap	101.30	kPa	397.58	Evaluation of the 2-Methoxyethanol as Entrainer in Ethanol Water and 1-Propanol Water Mixtures
pvap	28.10	kPa	364.15	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	142.50	kPa	409.10	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	76.40	kPa	389.59	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols

pvap	15.00	kPa	346.40	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
pvap	159.50	kPa	412.90	Supplementary vapor pressure data of the glycol ethers, 1-methoxy-2-propanol, and 2-methoxyethanol at a pressure range of (15 to 177) kPa
rfi	1.40030		298.15	Volumetric and viscometric study of aqueous binary mixtures of some glycol ethers at T = (275.15 and 283.15) K
rfi	1.40060		298.15	Isobaric Vapor-Liquid Equilibria for Binary and Ternary Mixtures with Cyclohexane, Cyclohexene, and 2-Methoxyethanol at 100 kPa
rfi	1.40020		298.15	Thermodynamic and optical studies of some ethylene glycol ethers in aqueous solutions at T = 298.15 K
rfi	1.39830		303.15	Densities, Viscosities, Sound Speeds, Refractive Indices, and Excess Properties of Binary Mixtures of Isoamyl Alcohol with Some Alkoxyethanols

rfi	1.40040		298.15	Physical and excess properties of a room temperature ionic liquid (1-methyl-3-octylimidazolium tetrafluoroborate) with n-alkoxyethanols (C1Em, m = 1 to 3) at T = (298.15 to 318.15) K
rfi	1.40040		298.15	Non-ideal behaviour of a room temperature ionic liquid in an alkoxyethanol or poly ethers at T = (298.15 to 318.15) K
rfi	1.40020		298.15	Effect of pressure and the capability of 2-methoxyethanol as a solvent in the behaviour of a diisopropyl ether isopropyl alcohol azeotropic mixture
rhoI	955.68	kg/m3	303.15	Densities and derived thermodynamic properties of (2-methoxyethanol + 1-propanol, or 2-propanol, or 1,2-propandiol) at temperatures from T = (293.15 to 343.15) K
rhoI	917.50	kg/m3	343.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K

rhoI	912.50	kg/m3	348.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K	
rhoI	907.50	kg/m3	353.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K	
rhoI	964.88	kg/m3	293.15	Density and Relative Permittivity of 2-Methoxyethanol + Dipropylamine Mixtures at Various Temperatures	
rhoI	960.29	kg/m3	298.15	Density and Relative Permittivity of 2-Methoxyethanol + Dipropylamine Mixtures at Various Temperatures	
rhoI	955.76	kg/m3	303.15	Density and Relative Permittivity of 2-Methoxyethanol + Dipropylamine Mixtures at Various Temperatures	
rhoI	960.32	kg/m3	298.15	Speeds of Sound and Isentropic Compressibilities of n-Alkoxyethanols and Polyethers with Propylamine at 298.15K	

rhoI	959.73	kg/m3	298.15	Liquid liquid equilibria in the ternary systems {hexadecane + BTX aromatics + 2-methoxyethanol or acetonitrile} at 298.15 K
rhoI	956.73	kg/m3	303.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	952.09	kg/m3	308.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	947.42	kg/m3	313.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	942.72	kg/m3	318.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	937.98	kg/m3	323.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	933.21	kg/m3	328.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	928.39	kg/m3	333.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	923.54	kg/m3	338.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	918.64	kg/m3	343.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	913.69	kg/m3	348.15	Surface tension of four oxygenated fuels: experiment and correlation

rhoI	908.70	kg/m3	353.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	903.65	kg/m3	358.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	898.55	kg/m3	363.15	Surface tension of four oxygenated fuels: experiment and correlation
rhoI	965.20	kg/m3	293.15	Viscosity of aqueous solutions of 2-methoxyethanol, 2-ethoxyethanol, and ethanolamine
rhoI	964.88	kg/m3	293.15	Volumetric properties of binary mixtures of alkoxyethanols with ethyl tert-butyl ether at various temperatures
rhoI	960.29	kg/m3	298.15	Volumetric properties of binary mixtures of alkoxyethanols with ethyl tert-butyl ether at various temperatures
rhoI	955.76	kg/m3	303.15	Volumetric properties of binary mixtures of alkoxyethanols with ethyl tert-butyl ether at various temperatures
rhoI	951.10	kg/m3	308.15	Volumetric properties of binary mixtures of alkoxyethanols with ethyl tert-butyl ether at various temperatures
rhoI	946.54	kg/m3	313.15	Volumetric properties of binary mixtures of alkoxyethanols with ethyl tert-butyl ether at various temperatures

rhoI	960.01	kg/m3	298.15	Excess molar enthalpies and volumes of binary mixtures of nonafluorobutylmethylether with ethylene glycol ethers at T = 298.15 K
rhoI	964.86	kg/m3	293.15	Densities and derived thermodynamic properties of (2-methoxyethanol + 1-propanol, or 2-propanol, or 1,2-propandiol) at temperatures from T = (293.15 to 343.15) K
rhoI	951.10	kg/m3	308.15	Density and Relative Permittivity of 2-Methoxyethanol + Dipropylamine Mixtures at Various Temperatures
rhoI	946.38	kg/m3	313.15	Densities and derived thermodynamic properties of (2-methoxyethanol + 1-propanol, or 2-propanol, or 1,2-propandiol) at temperatures from T = (293.15 to 343.15) K
rhoI	936.95	kg/m3	323.15	Densities and derived thermodynamic properties of (2-methoxyethanol + 1-propanol, or 2-propanol, or 1,2-propandiol) at temperatures from T = (293.15 to 343.15) K
rhoI	927.38	kg/m3	333.15	Densities and derived thermodynamic properties of (2-methoxyethanol + 1-propanol, or 2-propanol, or 1,2-propandiol) at temperatures from T = (293.15 to 343.15) K

rhoI	917.64	kg/m3	343.15	Densities and derived thermodynamic properties of (2-methoxyethanol + 1-propanol, or 2-propanol, or 1,2-propandiol) at temperatures from T = (293.15 to 343.15) K
rhoI	960.29	kg/m3	298.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols
rhoI	955.84	kg/m3	303.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols
rhoI	951.16	kg/m3	308.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols
rhoI	946.49	kg/m3	313.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols
rhoI	941.89	kg/m3	318.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols

rhoI	960.32	kg/m3	298.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures	
rhoI	955.71	kg/m3	303.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures	
rhoI	951.08	kg/m3	308.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures	
rhoI	946.42	kg/m3	313.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures	
rhoI	941.72	kg/m3	318.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures	
rhoI	936.89	kg/m3	323.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures	
rhoI	964.70	kg/m3	293.15	Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	960.10	kg/m3	298.15	Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	

rhoI	955.50	kg/m3	303.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	950.90	kg/m3	308.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	946.20	kg/m3	313.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	941.50	kg/m3	318.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	936.70	kg/m3	323.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	932.00	kg/m3	328.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	927.20	kg/m3	333.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	922.30	kg/m3	338.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	917.40	kg/m3	343.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	
rhoI	912.40	kg/m3	348.15 Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility	

rhoI	907.40	kg/m3	353.15	Monoethanolamine+2-methoxyethanol mixtures for CO2 capture: Density, viscosity and CO2 solubility
rhoI	974.70	kg/m3	283.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	969.90	kg/m3	288.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	964.70	kg/m3	293.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	960.10	kg/m3	298.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	955.50	kg/m3	303.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	950.90	kg/m3	308.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation

rhoI	946.20	kg/m3	313.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	941.50	kg/m3	318.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	936.70	kg/m3	323.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	932.00	kg/m3	328.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	927.20	kg/m3	333.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhoI	955.72	kg/m3	303.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study
rhoI	951.11	kg/m3	308.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study
rhoI	946.27	kg/m3	313.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study

rhoI	941.64	kg/m3	318.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study
rhoI	936.88	kg/m3	323.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study
rhoI	960.90	kg/m3	298.15	Study of molecular interactions in binary liquid mixtures of [Emim][BF4] with 2-methoxyethanol using thermo acoustic, volumetric and optical properties
rhoI	951.70	kg/m3	308.15	Study of molecular interactions in binary liquid mixtures of [Emim][BF4] with 2-methoxyethanol using thermo acoustic, volumetric and optical properties
rhoI	942.70	kg/m3	318.15	Study of molecular interactions in binary liquid mixtures of [Emim][BF4] with 2-methoxyethanol using thermo acoustic, volumetric and optical properties
rhoI	933.40	kg/m3	328.15	Study of molecular interactions in binary liquid mixtures of [Emim][BF4] with 2-methoxyethanol using thermo acoustic, volumetric and optical properties
rhoI	960.89	kg/m3	298.15	Modified Method for Measuring the Solubility of Pharmaceutical Compounds in Organic Solvents by Visual Camera

rhoI	960.10	kg/m3	298.15	Isobaric Vapor Liquid Equilibrium for the Binary Systems of sec-Butyl Acetate + Methyl Ethyl Ketone, 2-Methoxyethanol, or 1,2-Dimethoxyethane at 101.3 kPa
rhoI	960.31	kg/m3	298.15	Density and Speed of Sound of the Binary Mixture of 1-Butyl-3-Methylimidazolium Bis(trifluoromethylsulfonyl)imide + 2-Methoxyethanol from T = (298.15 to 323.15) K at Atmospheric Pressure
rhoI	955.71	kg/m3	303.15	Density and Speed of Sound of the Binary Mixture of 1-Butyl-3-Methylimidazolium Bis(trifluoromethylsulfonyl)imide + 2-Methoxyethanol from T = (298.15 to 323.15) K at Atmospheric Pressure
rhoI	951.08	kg/m3	308.15	Density and Speed of Sound of the Binary Mixture of 1-Butyl-3-Methylimidazolium Bis(trifluoromethylsulfonyl)imide + 2-Methoxyethanol from T = (298.15 to 323.15) K at Atmospheric Pressure
rhoI	946.41	kg/m3	313.15	Density and Speed of Sound of the Binary Mixture of 1-Butyl-3-Methylimidazolium Bis(trifluoromethylsulfonyl)imide + 2-Methoxyethanol from T = (298.15 to 323.15) K at Atmospheric Pressure

rho1	941.72	kg/m3	318.15	Density and Speed of Sound of the Binary Mixture of 1-Butyl-3-Methylimidazolium Bis(trifluoromethylsulfonyl)imide + 2-Methoxyethanol from T = (298.15 to 323.15) K at Atmospheric Pressure
rho1	936.99	kg/m3	323.15	Density and Speed of Sound of the Binary Mixture of 1-Butyl-3-Methylimidazolium Bis(trifluoromethylsulfonyl)imide + 2-Methoxyethanol from T = (298.15 to 323.15) K at Atmospheric Pressure
rho1	960.20	kg/m3	298.15	Isobaric Vapor-Liquid Equilibrium for Binary and Ternary Systems of 2-Methoxyethanol, Ethylbenzene, and Dimethyl Sulfoxide at 100.00 kPa
rho1	964.70	kg/m3	293.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K
rho1	960.20	kg/m3	298.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K

rhoI	955.50	kg/m3	303.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K
rhoI	950.90	kg/m3	308.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K
rhoI	946.20	kg/m3	313.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K
rhoI	941.50	kg/m3	318.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K

rhoI	936.80	kg/m3	323.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K
rhoI	932.00	kg/m3	328.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K
rhoI	927.20	kg/m3	333.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K
rhoI	922.40	kg/m3	338.15	Density, Viscosity, and Excess Properties of Binary Mixtures of 2-(Methylamino)ethanol with 2-Methoxyethanol, 2-Ethoxyethanol, and 2-Butoxyethanol from 293.15 to 353.15 K
rhoI	966.52	kg/m3	291.15	Density and Relative Permittivity of 2-Methoxyethanol + Dipropylamine Mixtures at Various Temperatures

speedsl	1307.14	m/s	308.15	Densities, speeds of sound and 1H NMR spectroscopic studies for binary mixtures of 1-hexyl-3-methylimidazolium based ionic liquids with ethylene glycol monomethyl ether at temperature from T = (288.15 318.15) K
speedsl	1359.04	m/s	293.15	Densities, speeds of sound and 1H NMR spectroscopic studies for binary mixtures of 1-hexyl-3-methylimidazolium based ionic liquids with ethylene glycol monomethyl ether at temperature from T = (288.15 318.15) K
speedsl	1341.72	m/s	298.15	Densities, speeds of sound and 1H NMR spectroscopic studies for binary mixtures of 1-hexyl-3-methylimidazolium based ionic liquids with ethylene glycol monomethyl ether at temperature from T = (288.15 318.15) K
speedsl	1324.47	m/s	303.15	Densities, speeds of sound and 1H NMR spectroscopic studies for binary mixtures of 1-hexyl-3-methylimidazolium based ionic liquids with ethylene glycol monomethyl ether at temperature from T = (288.15 318.15) K

speedsl	1376.47	m/s	288.15	Densities, speeds of sound and ¹ H NMR spectroscopic studies for binary mixtures of 1-hexyl-3-methylimidazolium based ionic liquids with ethylene glycol monomethyl ether at temperature from T = (288.15 318.15) K
speedsl	1287.00	m/s	318.15	Volumetric and Acoustic Properties of Binary Mixtures of the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate [bmim][BF ₄] with Alkoxyalkanols at Different Temperatures
speedsl	1304.00	m/s	313.15	Volumetric and Acoustic Properties of Binary Mixtures of the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate [bmim][BF ₄] with Alkoxyalkanols at Different Temperatures
speedsl	1321.00	m/s	308.15	Volumetric and Acoustic Properties of Binary Mixtures of the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate [bmim][BF ₄] with Alkoxyalkanols at Different Temperatures
speedsl	1337.00	m/s	303.15	Volumetric and Acoustic Properties of Binary Mixtures of the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate [bmim][BF ₄] with Alkoxyalkanols at Different Temperatures

speedsl	1351.00	m/s	298.15	Volumetric and Acoustic Properties of Binary Mixtures of the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate [bmim][BF ₄] with Alkoxyalkanols at Different Temperatures
speedsl	1367.00	m/s	293.15	Volumetric and Acoustic Properties of Binary Mixtures of the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate [bmim][BF ₄] with Alkoxyalkanols at Different Temperatures
speedsl	1380.00	m/s	288.15	Volumetric and Acoustic Properties of Binary Mixtures of the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate [bmim][BF ₄] with Alkoxyalkanols at Different Temperatures
speedsl	1287.20	m/s	318.15	Densities, speed of sound, and IR studies of Ethyl lactate with 2-alkoxyethanols at different temperatures
speedsl	1299.60	m/s	313.15	Densities, speed of sound, and IR studies of Ethyl lactate with 2-alkoxyethanols at different temperatures
speedsl	1312.60	m/s	308.15	Densities, speed of sound, and IR studies of Ethyl lactate with 2-alkoxyethanols at different temperatures
speedsl	1324.50	m/s	303.15	Densities, speed of sound, and IR studies of Ethyl lactate with 2-alkoxyethanols at different temperatures

speedsl	1260.70	m/s	323.15	Acoustic, volumetric, and spectroscopic studies of formamide with 2-alkoxyethanols at different temperatures
speedsl	1293.90	m/s	313.15	Acoustic, volumetric, and spectroscopic studies of formamide with 2-alkoxyethanols at different temperatures
speedsl	1324.20	m/s	303.15	Acoustic, volumetric, and spectroscopic studies of formamide with 2-alkoxyethanols at different temperatures
speedsl	1272.81	m/s	318.15	Densities, speeds of sound and ¹ H NMR spectroscopic studies for binary mixtures of 1-hexyl-3-methylimidazolium based ionic liquids with ethylene glycol monomethyl ether at temperature from T = (288.15 318.15) K
speedsl	1289.95	m/s	313.15	Densities, speeds of sound and ¹ H NMR spectroscopic studies for binary mixtures of 1-hexyl-3-methylimidazolium based ionic liquids with ethylene glycol monomethyl ether at temperature from T = (288.15 318.15) K
srf	0.03	N/m	298.15	Excess Molar Volumes and Surface Tensions of Trimethylbenzene + Ethylene Glycol Ester at 298.15 K and 313.15 K

srf	0.03	N/m	298.15	Experimental Surface Tensions and Derived Surface Properties of Binary Mixtures of Water + Alkoxyethanols (C1Em, m = 1, 2, 3) and Water + Ethylene Glycol Dimethyl Ether (C1E1C1) at (298.15, 308.15, and 318.15) K
srf	0.03	N/m	308.15	Experimental Surface Tensions and Derived Surface Properties of Binary Mixtures of Water + Alkoxyethanols (C1Em, m = 1, 2, 3) and Water + Ethylene Glycol Dimethyl Ether (C1E1C1) at (298.15, 308.15, and 318.15) K
srf	0.03	N/m	318.15	Experimental Surface Tensions and Derived Surface Properties of Binary Mixtures of Water + Alkoxyethanols (C1Em, m = 1, 2, 3) and Water + Ethylene Glycol Dimethyl Ether (C1E1C1) at (298.15, 308.15, and 318.15) K
srf	0.03	N/m	313.15	Excess Molar Volumes and Surface Tensions of Trimethylbenzene + Ethylene Glycol Ester at 298.15 K and 313.15 K

Correlations

Information	Value
Property code	pvap

Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.75122e+01
Coeff. B	-4.95806e+03
Coeff. C	-1.30710e+01
Temperature range (K), min.	300.92
Temperature range (K), max.	419.45

Datasets

Viscosity, Pa*s

Temperature, K - Liquid	Pressure, kPa - Liquid	Viscosity, Pa*s - Liquid
293.15	20000.00	0.0019480
293.15	40000.00	0.0021860
293.15	60000.00	0.0024260
293.15	80000.00	0.0026590
293.15	100000.00	0.0028780
303.15	20000.00	0.0015830
303.15	40000.00	0.0017770
303.15	60000.00	0.0019770
303.15	80000.00	0.0021760
303.15	100000.00	0.0023670
313.15	20000.00	0.0013390
313.15	40000.00	0.0014890
313.15	60000.00	0.0016470
313.15	80000.00	0.0018140
313.15	100000.00	0.0019880
323.15	20000.00	0.0011350
323.15	40000.00	0.0012680
323.15	60000.00	0.0014050
323.15	80000.00	0.0015440
323.15	100000.00	0.0016850
333.15	20000.00	0.0009650
333.15	40000.00	0.0010840
333.15	60000.00	0.0012100
333.15	80000.00	0.0013380
333.15	100000.00	0.0014660
343.15	20000.00	0.0008520
343.15	40000.00	0.0009580

343.15	60000.00	0.0010580
343.15	80000.00	0.0011490
343.15	100000.00	0.0012310
353.15	20000.00	0.0007380
353.15	40000.00	0.0008340
353.15	60000.00	0.0009240
353.15	80000.00	0.0010060
353.15	100000.00	0.0010800

Reference

<https://www.doi.org/10.1016/j.fluid.2005.02.009>

Pressure, kPa	Temperature, K	Viscosity, Pa*s
101.00	303.15	0.0014040

Reference

<https://www.doi.org/10.1021/je900656c>

Mass density, kg/m3

Temperature, K - Liquid	Pressure, kPa - Liquid	Mass density, kg/m3 - Liquid
293.15	100.00	964.5
293.15	5000.00	967.5
293.15	10000.00	970.7
293.15	15000.00	973.8
293.15	20000.00	976.6
293.15	25000.00	979.5
293.15	30000.00	982.3
293.15	35000.00	985.1
293.15	40000.00	987.7
293.15	45000.00	990.3
293.15	50000.00	992.9
293.15	55000.00	995.3
293.15	60000.00	997.7
303.15	100.00	955.4
303.15	5000.00	958.4
303.15	10000.00	961.8
303.15	15000.00	965.1
303.15	20000.00	968.0
303.15	25000.00	971.1
303.15	30000.00	974.0
303.15	35000.00	976.9

303.15	40000.00	979.6
303.15	45000.00	982.3
303.15	50000.00	984.8
303.15	55000.00	987.5
303.15	60000.00	989.9
313.15	100.00	945.9
313.15	5000.00	949.3
313.15	10000.00	952.7
313.15	15000.00	956.3
313.15	20000.00	959.5
313.15	25000.00	962.5
313.15	30000.00	965.6
313.15	35000.00	968.5
313.15	40000.00	971.5
313.15	45000.00	974.4
313.15	50000.00	977.0
313.15	55000.00	979.5
313.15	60000.00	982.2
323.15	100.00	936.3
323.15	5000.00	940.2
323.15	10000.00	943.9
323.15	15000.00	947.4
323.15	20000.00	950.8
323.15	25000.00	954.0
323.15	30000.00	957.2
323.15	35000.00	960.5
323.15	40000.00	963.3
323.15	45000.00	966.3
323.15	50000.00	969.1
323.15	55000.00	971.9
323.15	60000.00	974.6
333.15	100.00	926.7
333.15	5000.00	930.9
333.15	10000.00	934.6
333.15	15000.00	938.4
333.15	20000.00	941.9
333.15	25000.00	945.3
333.15	30000.00	948.8
333.15	35000.00	952.0
333.15	40000.00	955.0
333.15	45000.00	958.0
333.15	50000.00	961.0
333.15	55000.00	963.9
333.15	60000.00	966.8

Excess Molar Volumes and Surface Tensions of Trimethylbenzene + Styrene, of Cyclohexane + Styrene, and Binary Mixtures DEC with Alkoxyalkanol Permittivity, Viscosity, and Speed of Sound for 2-Methoxyethanol + Butyramide Mixtures, and Optical Studies of some ethylene glycol ethers in Acetone, Physical Properties of Ionic Liquid [1-butyl-3-methylimidazolium Hexafluorophosphate][Br] in Alkoxyalkanols + Water, Mixtures at Different Temperature, Behaviour of a Room Temperature Ionic Liquid in an Alkoxyalkanol Liquid, Equilibrium for Binary and Ternary Systems with Cyclic and Aromatic Ethers and Dynamic Properties of 2-Methoxyethanol + 1-Propanol, 2-Propanol, or 1,2-Propanediol at Temperatures from T₁ (293.15 to 343.15) K, Vapor-Liquid Equilibrium for Binary and Ternary Systems of 2-Alkoxy-2-methylpropanes and Acetone, Equilibrium Vapor Pressures of Acetone and 2-Methoxyethanol, Ethers, and Ketones at High Pressures Influence of the Molecular Structure on the Viscosity of some Alkoxyethanols: Isobaric Vapor-Liquid Equilibrium Data for Methylcyclohexane + 2-Methoxyethanol and Pressure Dependence of Vapor Pressure of Cyclohexane + 2-Ethoxyethanol at 50.66 and 101.33 kPa, Oxygenated Fuels: Experiment and Correlation: Density and Speed of Sound of the Binary Mixture of Liquid-Liquid Equilibria in the Ternary Systems (Cyclohexane-BTX)-Aromatics, Vapor-Liquid Equilibrium Data for the Solubility of Pharmaceutical Compounds in Organic Solvents by Molecular of Alkoxyethanols with Ethyl Cellulose, Interferential Interactions in Binary Liquid Mixtures of [Emim][BF₄] with 2-Alkoxy-2-methylpropanes as Extractant in Ethanol-Water and 1-Propanol-Water Mixtures in Propylene Glycol and Methyl Cellulose, 4-Chloro-2,5-dimethoxynitrobenzene, 4-Chloro-2,5-dimethoxynitrobenzene, Thermodynamic Properties of Liquid Phase of Propylene and the Capability of Methylcyclohexanol as a Solvent in the Behaviour of a Diisopropyl Ether Isopropyl Alcohol Azeotropic Mixture:

srf:	Surface Tension
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume
volm:	Molar Volume

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