

# Ethanol, 2-ethoxy-

**Other names:** 1,2-ethanediol, monoethyl ether  
2-Ethoxyethanol  
2-Ethoxyethyl alcohol  
2-ethoxyethan-1-ol  
2-ethoxyethanol (cellosolve)  
2EE  
3-oxa-1-pentanol  
Bikanol E 1  
Cellosolve  
Cellosolve solvent  
Dowanol EE  
EE solvent  
EGEE  
Ektasolve EE  
Emkanol  
Ether monoethylique de l'ethylene-glycol  
Ethoxyethanol  
Ethyl cellosolve  
Ethyl glycol  
Ethyl icinol  
Ethyl-2-hydroxyethyl ether  
Ethylene glycol ethyl ether  
Ethylene glycol monoethyl ether  
Ethylethylene glycol  
Etoksyetylowy alkohol  
Glycol ether EE  
Glycol ethyl ether  
Glycol monoethyl ether  
HOCH<sub>2</sub>CH<sub>2</sub>OC<sub>2</sub>H<sub>5</sub>  
Hydroxy ether  
Jeffersol EE  
NCI-C54853  
NSC 8837  
Oxitol  
Plastiazan 60  
Poly-Solv EE  
Solvil  
ethylene glycol, monoethyl ether  
«beta»-Ethoxyethanol  
Â«betaÂ»-Ethoxyethanol

Inchi:	InChI=1S/C4H10O2/c1-2-6-4-3-5/h5H,2-4H2,1H3
InchiKey:	ZNQVEEAIQZEUHB-UHFFFAOYSA-N
Formula:	C4H10O2
SMILES:	CCOCOC
Mol. weight [g/mol]:	90.12
CAS:	110-80-5

## Physical Properties

Property code	Value	Unit	Source
dvisc	0.0018450	Paxs	Conductance Studies of NaCl, KCl, NaBr, NaI, NaBPh4, and Bu4NI in Water + 2-Ethoxyethanol Mixtures at 298.15 K
gf	-259.02	kJ/mol	Joback Method
hf	-410.34	kJ/mol	Joback Method
hfus	11.39	kJ/mol	Joback Method
hvap	50.00	kJ/mol	NIST Webbook
hvap	49.40	kJ/mol	NIST Webbook
hvap	48.23	kJ/mol	NIST Webbook
hvap	49.20	kJ/mol	NIST Webbook
hvap	48.20 ± 0.10	kJ/mol	NIST Webbook
ie	9.97	eV	NIST Webbook
ie	9.60	eV	NIST Webbook
log10ws	0.15		Crippen Method
logp	0.015		Crippen Method
mcvol	78.960	ml/mol	McGowan Method
pc	4288.66	kPa	Joback Method
rinpol	702.00		NIST Webbook
rinpol	695.00		NIST Webbook
rinpol	716.50		NIST Webbook
rinpol	694.00		NIST Webbook
rinpol	694.00		NIST Webbook
rinpol	701.00		NIST Webbook
rinpol	701.00		NIST Webbook
rinpol	695.00		NIST Webbook
rinpol	695.00		NIST Webbook
rinpol	687.00		NIST Webbook
rinpol	671.00		NIST Webbook
rinpol	694.00		NIST Webbook
rinpol	666.00		NIST Webbook

rinpol	670.00		NIST Webbook
rinpol	718.00		NIST Webbook
rinpol	708.00		NIST Webbook
rinpol	716.00		NIST Webbook
rinpol	743.50		NIST Webbook
rinpol	702.00		NIST Webbook
rinpol	702.00		NIST Webbook
ripol	1239.00		NIST Webbook
ripol	1231.00		NIST Webbook
ripol	1266.00		NIST Webbook
ripol	1218.00		NIST Webbook
ripol	1246.00		NIST Webbook
ripol	1239.00		NIST Webbook
tb	407.80	K	Vapor Liquid Equilibrium for the 2-Ethoxyethanol + 2-Ethoxyethyl Acetate System
tb	408.35	K	Isobaric Vapor Liquid Equilibrium of Binary and Ternary Systems with 2-Ethoxyethanol + Ethylbenzene + Dimethyl Sulfoxide
tb	408.62	K	Isobaric vapor-liquid equilibrium data for methylcyclohexane + 2-methoxyethanol and methylcyclohexane + 2-ethoxyethanol at 50.00 and 101.33 kPa
tb	408.19	K	Vapour-liquid equilibrium and extractive distillation for separation of azeotrope isopropyl alcohol and diisopropyl ether
tc	568.04	K	Joback Method
tf	217.89	K	Joback Method
vc	0.296	m3/kmol	Joback Method
volm	9.74e-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
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cpg	193.38	J/mol×K	568.04	Joback Method
cpg	154.66	J/mol×K	405.52	Joback Method
cpg	161.57	J/mol×K	432.61	Joback Method
cpg	168.30	J/mol×K	459.69	Joback Method
cpg	174.85	J/mol×K	486.78	Joback Method
cpg	181.21	J/mol×K	513.87	Joback Method
cpg	187.39	J/mol×K	540.95	Joback Method
cpl	224.10	J/mol×K	333.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	203.30	J/mol×K	275.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	204.00	J/mol×K	277.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	204.60	J/mol×K	279.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	205.30	J/mol×K	281.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	206.60	J/mol×K	285.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)

cpl	207.30	J/mol×K	287.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	208.00	J/mol×K	289.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	208.60	J/mol×K	291.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	210.00	J/mol×K	295.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	210.70	J/mol×K	297.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	225.70	J/mol×K	337.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	211.10	J/mol×K	298.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)

cpl	205.90	J/mol×K	283.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	211.40	J/mol×K	299.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	212.10	J/mol×K	301.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	212.80	J/mol×K	303.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	213.60	J/mol×K	305.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	214.30	J/mol×K	307.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	215.70	J/mol×K	311.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)

cpl	216.50	J/mol×K	313.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	220.20	J/mol×K	323.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	217.20	J/mol×K	315.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	218.00	J/mol×K	317.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	218.70	J/mol×K	319.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	219.50	J/mol×K	321.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	223.30	J/mol×K	331.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)

cpl	221.00	J/mol×K	325.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	221.80	J/mol×K	327.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	222.60	J/mol×K	329.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	210.80	J/mol×K	298.15	NIST Webbook
cpl	210.50	J/mol×K	298.15	NIST Webbook
cpl	209.82	J/mol×K	298.15	NIST Webbook
cpl	226.50	J/mol×K	339.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	215.00	J/mol×K	309.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	224.90	J/mol×K	335.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)
cpl	209.30	J/mol×K	293.15	Measurement and Prediction of Molar Heat Capacities of Liquid Polyoxyethylene Glycol Monoalkyl Ethers (CnEm)

dvisc	0.0018500	Paxs	298.15	Densities, Excess Molar Volumes, Viscosities, Speeds of Sound, Excess Isentropic Compressibilities, and Relative Permittivities for $C_mH_{2m+1}(OCH_2CH_2)_nOH$ (m ) 1 or 2 or 4 andn ) 1) + Benzene, + Toluene, + (o-, m-, and p-) Xylenes, + Ethylbenzene, and + Cyclohexane
dvisc	0.0021420	Paxs	293.15	Viscosities of binary mixtures of some n-ethoxyethanols with ethyl tert-butyl ether at $T = (293.15,$ $298.15, \text{ and}$ $303.15) \text{ K}$
dvisc	0.0018480	Paxs	298.15	Viscosities of binary mixtures of some n-ethoxyethanols with ethyl tert-butyl ether at $T = (293.15,$ $298.15, \text{ and}$ $303.15) \text{ K}$
dvisc	0.0016460	Paxs	303.15	Viscosities of binary mixtures of some n-ethoxyethanols with ethyl tert-butyl ether at $T = (293.15,$ $298.15, \text{ and}$ $303.15) \text{ K}$

dvisc	0.0014070	Paxs	308.15	Densities, Excess Molar Volumes, Viscosities, Speeds of Sound, Excess Isentropic Compressibilities, and Relative Permittivities for CmH <sub>2m+1</sub> (OCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> OH (m ) 1 or 2 or 4 andn ) 1) + Benzene, + Toluene, + (o-, m-, and p-) Xylenes, + Ethylbenzene, and + Cyclohexane
hvapt	44.70	kJ/mol	372.00	NIST Webbook
hvapt	39.22	kJ/mol	408.10	NIST Webbook
hvapt	45.90	kJ/mol	338.00	NIST Webbook
hvapt	47.40	kJ/mol	347.50	NIST Webbook
pvap	100.93	kPa	407.80	Vapor Liquid Equilibrium for the 2-Ethoxyethanol 2-Ethoxyethyl Acetate System
pvap	34.20	kPa	378.36	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	28.10	kPa	373.48	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	41.30	kPa	383.18	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	47.90	kPa	387.06	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols

pvap	53.70	kPa	390.12	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	60.50	kPa	393.37	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	85.33	kPa	402.30	Vapor Liquid Equilibrium for the 2-Ethoxyethanol 2-Ethoxyethyl Acetate System
pvap	93.60	kPa	407.80	Estimation of Activity Coefficients for the Pairs of the System 2-Ethoxyethanol + 2-Ethoxyethyl Acetate + 2-Butoxyethanol + 2-Butoxyethyl Acetate
pvap	68.60	kPa	396.86	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	81.20	kPa	401.65	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	53.33	kPa	388.60	Vapor Liquid Equilibrium for the 2-Ethoxyethanol 2-Ethoxyethyl Acetate System
pvap	88.70	kPa	404.22	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols

pvap	93.30	kPa	406.90	Estimation of Activity Coefficients for the Pairs of the System 2-Ethoxyethanol + 2-Ethoxyethyl Acetate + 2-Butoxyethanol + 2-Butoxyethyl Acetate
pvap	95.30	kPa	406.33	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	1.30	kPa	308.15	Total Vapor Pressure Measurements for 2-Ethoxyethanol with Methyl Acetate, Ethyl Acetate, Propyl Acetate, and Ethyl Propionate at 313.15 K and for 2-Ethoxyethanol with Methyl Formate at 308.15 K
pvap	1.86	kPa	313.15	Total Vapor Pressure Measurements for 2-Ethoxyethanol with Methyl Acetate, Ethyl Acetate, Propyl Acetate, and Ethyl Propionate at 313.15 K and for 2-Ethoxyethanol with Methyl Formate at 308.15 K

pvap	1.80	kPa	313.15	Total Vapor Pressure Measurements for 2-Ethoxyethanol with Methyl Acetate, Ethyl Acetate, Propyl Acetate, and Ethyl Propionate at 313.15 K and for 2-Ethoxyethanol with Methyl Formate at 308.15 K
pvap	1.83	kPa	313.15	Total Vapor Pressure Measurements for 2-Ethoxyethanol with Methyl Acetate, Ethyl Acetate, Propyl Acetate, and Ethyl Propionate at 313.15 K and for 2-Ethoxyethanol with Methyl Formate at 308.15 K
pvap	5.30	kPa	333.15	Vapor-Liquid Equilibrium for Phenol + r-Methyl Benzyl Alcohol and 2-Ethoxyethanol + n-Butyl Formate
pvap	8.65	kPa	343.15	Vapor-Liquid Equilibrium for Phenol + r-Methyl Benzyl Alcohol and 2-Ethoxyethanol + n-Butyl Formate
pvap	13.62	kPa	353.15	Vapor-Liquid Equilibrium for Phenol + r-Methyl Benzyl Alcohol and 2-Ethoxyethanol + n-Butyl Formate

pvap	93.30	kPa	406.20	Estimation of Activity Coefficients for the Pairs of the System 2-Ethoxyethanol + 2-Ethoxyethyl Acetate + 2-Butoxyethanol + 2-Butoxyethyl Acetate
pvap	76.40	kPa	399.90	Vapor-liquid equilibria and excess molar volumes of N-methyl-2-pyrrolidone with 2-alkoxyethanols
pvap	90.66	kPa	404.20	Vapor Liquid Equilibrium for the 2-Ethoxyethanol 2-Ethoxyethyl Acetate System
pvap	100.93	kPa	407.50	Vapor Liquid Equilibrium for the 2-Ethoxyethanol 2-Ethoxyethyl Acetate System
pvap	101.33	kPa	407.80	Vapor Liquid Equilibrium for the 2-Ethoxyethanol 2-Ethoxyethyl Acetate System
pvap	80.00	kPa	400.40	Vapor Liquid Equilibrium for the 2-Ethoxyethanol 2-Ethoxyethyl Acetate System
pvap	69.33	kPa	396.10	Vapor Liquid Equilibrium for the 2-Ethoxyethanol 2-Ethoxyethyl Acetate System
rfi	1.40620		298.15	Phase equilibria involved in extractive distillation of dipropyl ether + 1-propyl alcohol using 2-ethoxyethanol as entrainer

rfi	1.40570	298.15	Volumetric and viscometric study of aqueous binary mixtures of some glycol ethers at T = (275.15 and 283.15) K	
rfi	1.40650	293.15	Solubilities of Phosphorus-Containing Compounds in Selected Solvents	
rfi	1.40650	293.15	Solubilities of 2-(6-Oxido-6H-dibenzo[c,e][1,2]oxaphosphorin-6-yl)-1,4-dihydroxy Phenylene in the Selected Solvents	
rfi	1.40650	293.15	Solubilities of (2,5-Dihydroxyphenyl)diphenyl Phosphine Oxide in Selected Solvents	
rfi	1.40650	303.15	Densities, Viscosities, Sound Speeds, Refractive Indices, and Excess Properties of Binary Mixtures of Isoamyl Alcohol with Some Alkoxyethanols	
rfi	1.40580	298.15	Thermodynamic and optical studies of some ethylene glycol ethers in aqueous solutions at T = 298.15 K	
rhol	932.20	kg/m3	293.15	Thermophysical properties of glycols and glymes
rhol	916.00	kg/m3	308.50	Excess Molar Enthalpies and Hydrogen Bonding in Binary Mixtures Containing Ethers and Benzyl Alcohol at 308.15 K and Atmospheric Pressure

rh <sub>1</sub>	877.80	kg/m <sup>3</sup>	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
rh <sub>1</sub>	882.70	kg/m <sup>3</sup>	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
rh <sub>1</sub>	887.60	kg/m <sup>3</sup>	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
rh <sub>1</sub>	892.40	kg/m <sup>3</sup>	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

rh <sub>1</sub>	897.20	kg/m <sup>3</sup>	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
rh <sub>1</sub>	901.90	kg/m <sup>3</sup>	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
rh <sub>1</sub>	906.60	kg/m <sup>3</sup>	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
rh <sub>1</sub>	911.30	kg/m <sup>3</sup>	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

rh <sub>1</sub>	915.90	kg/m <sup>3</sup>	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
rh <sub>1</sub>	920.50	kg/m <sup>3</sup>	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
rh <sub>1</sub>	872.80	kg/m <sup>3</sup>	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
rh <sub>1</sub>	925.00	kg/m <sup>3</sup>	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

rhol	929.50	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
rhol	885.20	kg/m3	343.15	Thermophysical properties of glycols and glymes
rhol	895.00	kg/m3	333.15	Thermophysical properties of glycols and glymes
rhol	904.50	kg/m3	323.15	Thermophysical properties of glycols and glymes
rhol	918.50	kg/m3	308.15	Thermophysical properties of glycols and glymes
rhol	923.10	kg/m3	303.15	Thermophysical properties of glycols and glymes
rhol	927.60	kg/m3	298.15	Thermophysical properties of glycols and glymes
rhol	936.70	kg/m3	288.15	Thermophysical properties of glycols and glymes
rhol	941.20	kg/m3	283.15	Thermophysical properties of glycols and glymes
rhol	856.30	kg/m3	373.15	Thermophysical properties of glycols and glymes
rhol	861.20	kg/m3	368.15	Thermophysical properties of glycols and glymes
rhol	866.10	kg/m3	363.15	Thermophysical properties of glycols and glymes

rhol	871.00	kg/m3	358.15	Thermophysical properties of glycols and glymes
rhol	875.80	kg/m3	353.15	Thermophysical properties of glycols and glymes
rhol	880.70	kg/m3	348.15	Thermophysical properties of glycols and glymes
rhol	885.50	kg/m3	343.15	Thermophysical properties of glycols and glymes
rhol	890.40	kg/m3	338.15	Thermophysical properties of glycols and glymes
rhol	895.10	kg/m3	333.15	Thermophysical properties of glycols and glymes
rhol	899.90	kg/m3	328.15	Thermophysical properties of glycols and glymes
rhol	904.60	kg/m3	323.15	Thermophysical properties of glycols and glymes
rhol	909.30	kg/m3	318.15	Thermophysical properties of glycols and glymes
rhol	913.90	kg/m3	313.15	Thermophysical properties of glycols and glymes
rhol	918.50	kg/m3	308.15	Thermophysical properties of glycols and glymes
rhol	923.10	kg/m3	303.15	Thermophysical properties of glycols and glymes
rhol	927.70	kg/m3	298.15	Thermophysical properties of glycols and glymes
rhol	932.30	kg/m3	293.15	Thermophysical properties of glycols and glymes
rhol	936.80	kg/m3	288.15	Thermophysical properties of glycols and glymes

rhol	903.45	kg/m3	323.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study
rhol	907.76	kg/m3	318.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study
rhol	911.58	kg/m3	313.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study
rhol	916.43	kg/m3	308.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study
rhol	921.19	kg/m3	303.15	Intermolecular interactions in Formamide +2-Alkoxyethanols: Viscometric study
rhol	907.00	kg/m3	318.15	An experimental investigation of molecular interactions between [Emim][triflate] ionic liquid & 2-alkoxyethanols and theoretical comparison by PFP theory
rhol	912.00	kg/m3	313.15	An experimental investigation of molecular interactions between [Emim][triflate] ionic liquid & 2-alkoxyethanols and theoretical comparison by PFP theory
rhol	917.00	kg/m3	308.15	An experimental investigation of molecular interactions between [Emim][triflate] ionic liquid & 2-alkoxyethanols and theoretical comparison by PFP theory

rhol	921.00	kg/m3	303.15	An experimental investigation of molecular interactions between [Emim][triflate] ionic liquid & 2-alkoxyethanols and theoretical comparison by PFP theory
rhol	926.00	kg/m3	298.15	An experimental investigation of molecular interactions between [Emim][triflate] ionic liquid & 2-alkoxyethanols and theoretical comparison by PFP theory
rhol	892.60	kg/m3	333.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhol	897.40	kg/m3	328.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhol	902.10	kg/m3	323.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhol	906.80	kg/m3	318.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation

rhol	911.50	kg/m3	313.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhol	916.10	kg/m3	308.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhol	920.70	kg/m3	303.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhol	925.20	kg/m3	298.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhol	929.70	kg/m3	293.15	Solubility of N2O and CO2 in non-aqueous systems of monoethanolamine and glycol ethers: Measurements and model representation
rhol	911.80	kg/m3	313.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures
rhol	916.41	kg/m3	308.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures

rhol	920.99	kg/m3	303.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures
rhol	925.54	kg/m3	298.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures
rhol	906.90	kg/m3	318.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols
rhol	911.47	kg/m3	313.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols
rhol	916.11	kg/m3	308.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols
rhol	920.72	kg/m3	303.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols

rhol	925.36	kg/m3	298.15	FT-IR spectroscopic study of excess thermodynamic properties of liquid mixtures containing benzylalcohol with alkoxyalkanols
rhol	924.92	kg/m3	298.15	Excess molar enthalpies and volumes of binary mixtures of nonafluorobutylmethylether with ethylene glycol ethers at T = 298.15 K
rhol	929.70	kg/m3	293.15	Viscosity of aqueous solutions of 2-methoxyethanol, 2-ethoxyethanol, and ethanolamine
rhol	925.64	kg/m3	298.15	Thermodynamic properties and sPC-SAFT modeling of 2-ethoxyethanol, 2-propoxyethanol and 2-butoxyethanol from T = (293.15-413.15) K and pressure up to 30 MPa
rhol	925.10	kg/m3	298.10	Excess enthalpies of binary mixtures of 2-ethoxyethanol with four hydrocarbons at 298.15, 308.15, and 318.15K An experimental and theoretical study
rhol	907.15	kg/m3	318.15	Study of molecular interactions of binary mixtures DEC with alkoxyalkanols at various temperatures
rhol	913.80	kg/m3	313.15	Thermophysical properties of glycols and glymes

rhol	902.46	kg/m3	323.15	Study of molecular interactions of binary mixtures DEC with alkoxyethanols at various temperatures
speedsl	1235.10	m/s	318.15	Densities, speed of sound, and IR studies of Ethyl lactate with 2-alkoxyethanols at different temperatures
speedsl	1252.00	m/s	313.15	Densities, speed of sound, and IR studies of Ethyl lactate with 2-alkoxyethanols at different temperatures
speedsl	1268.00	m/s	308.15	Densities, speed of sound, and IR studies of Ethyl lactate with 2-alkoxyethanols at different temperatures
speedsl	1224.90	m/s	323.15	Acoustic, volumetric, and spectroscopic studies of formamide with 2-alkoxyethanols at different temperatures
speedsl	1257.30	m/s	313.15	Acoustic, volumetric, and spectroscopic studies of formamide with 2-alkoxyethanols at different temperatures
speedsl	1290.40	m/s	303.15	Acoustic, volumetric, and spectroscopic studies of formamide with 2-alkoxyethanols at different temperatures
speedsl	1287.10	m/s	303.15	Densities, speed of sound, and IR studies of Ethyl lactate with 2-alkoxyethanols at different temperatures

# Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.73172e+01
Coeff. B	-4.91675e+03
Coeff. C	-2.11200e+01
Temperature range (K), min.	309.84
Temperature range (K), max.	430.65

# Datasets

## Viscosity, Pa\*s

Temperature, K - Liquid	Pressure, kPa - Liquid	Viscosity, Pa*s - Liquid
293.15	20000.00	0.0024170
293.15	40000.00	0.0027760
293.15	60000.00	0.0031450
293.15	80000.00	0.0035090
293.15	100000.00	0.0038590
303.15	20000.00	0.0019220
303.15	40000.00	0.0022100
303.15	60000.00	0.0025120
303.15	80000.00	0.0028160
303.15	100000.00	0.0031150
313.15	20000.00	0.0015990
313.15	40000.00	0.0018340
313.15	60000.00	0.0020710
313.15	80000.00	0.0023080
313.15	100000.00	0.0025430
323.15	20000.00	0.0013200
323.15	40000.00	0.0015290
323.15	60000.00	0.0017430
323.15	80000.00	0.0019310
323.15	100000.00	0.0021300

333.15	20000.00	0.0010810
333.15	40000.00	0.0012360
333.15	60000.00	0.0014080
333.15	80000.00	0.0015920
333.15	100000.00	0.0017870
343.15	20000.00	0.0009390
343.15	40000.00	0.0010780
343.15	60000.00	0.0012210
343.15	80000.00	0.0013620
343.15	100000.00	0.0015000
353.15	20000.00	0.0008290
353.15	40000.00	0.0009530
353.15	60000.00	0.0010680
353.15	80000.00	0.0011720
353.15	100000.00	0.0012650

Reference

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

## Mass density, kg/m3

Temperature, K - Liquid	Pressure, kPa - Liquid	Mass density, kg/m3 - Liquid
293.15	100.00	929.6
293.15	5000.00	932.9
293.15	10000.00	936.2
293.15	15000.00	939.3
293.15	20000.00	942.4
293.15	25000.00	945.2
293.15	30000.00	948.2
293.15	35000.00	951.1
293.15	40000.00	953.7
293.15	45000.00	956.5
293.15	50000.00	959.0
293.15	55000.00	961.6
293.15	60000.00	964.0
303.15	100.00	920.7
303.15	5000.00	924.0
303.15	10000.00	927.4
303.15	15000.00	930.7
303.15	20000.00	933.9
303.15	25000.00	937.0
303.15	30000.00	939.9

303.15	35000.00	942.9
303.15	40000.00	945.8
303.15	45000.00	948.6
303.15	50000.00	951.3
303.15	55000.00	953.8
303.15	60000.00	956.3
313.15	100.00	911.3
313.15	5000.00	914.9
313.15	10000.00	918.5
313.15	15000.00	922.1
313.15	20000.00	925.5
313.15	25000.00	928.7
313.15	30000.00	931.8
313.15	35000.00	934.9
313.15	40000.00	937.8
313.15	45000.00	940.7
313.15	50000.00	943.4
313.15	55000.00	946.1
313.15	60000.00	948.9
323.15	100.00	901.8
323.15	5000.00	905.8
323.15	10000.00	909.7
323.15	15000.00	913.4
323.15	20000.00	916.9
323.15	25000.00	920.3
323.15	30000.00	923.6
323.15	35000.00	926.9
323.15	40000.00	930.0
323.15	45000.00	933.0
323.15	50000.00	935.7
323.15	55000.00	938.7
323.15	60000.00	941.4
333.15	100.00	892.3
333.15	5000.00	896.5
333.15	10000.00	900.5
333.15	15000.00	904.5
333.15	20000.00	908.2
333.15	25000.00	911.8
333.15	30000.00	915.4
333.15	35000.00	918.7
333.15	40000.00	921.8
333.15	45000.00	925.0
333.15	50000.00	927.9
333.15	55000.00	931.1

333.15	60000.00	933.9
343.15	100.00	882.6
343.15	5000.00	887.2
343.15	10000.00	891.4
343.15	15000.00	895.6
343.15	20000.00	899.4
343.15	25000.00	903.4
343.15	30000.00	906.9
343.15	35000.00	910.5
343.15	40000.00	913.8
343.15	45000.00	917.2
343.15	50000.00	920.4
343.15	55000.00	923.4
343.15	60000.00	926.5
353.15	100.00	872.6
353.15	5000.00	877.6
353.15	10000.00	882.0
353.15	15000.00	886.5
353.15	20000.00	890.6
353.15	25000.00	894.8
353.15	30000.00	898.5
353.15	35000.00	902.0
353.15	40000.00	905.9
353.15	45000.00	908.8
353.15	50000.00	912.5
353.15	55000.00	915.7
353.15	60000.00	918.7

Reference

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- Spectroscopic studies of formamide versus 2-hydroxyethanone in the Ternary System 2-Methoxyethanol + Phenylurea**
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- 2-Ethoxyethanol as entrainer:**
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- Entrainers for the Pairs of the System reaction of Acetone + Acetone + 2-Ethoxyethanol, Acetone + 2-Ethoxyethanol, Excess Solvent, Density, Viscosity and hydrogen Relative Permeability Measures Containing Enthalpies and Entropies of mixing of aqueous solutions of EGCG and EGCG + EGCG + HCl at 298.15 K: aqueous solutions at 298.15 K modeling of EGCG Peracetate in 12 Pure Solvents at Temperatures from 278.15 to 318.15 K:**
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<b>Solubility of 4-Chloro-2,5-dimethoxynitrobenzene, 1,4-bis[4-(dimethoxyphenyl)phenyl] + 2-Methyl-Benzoic Alcohol Binary and Ternary Equilibrium Formate: Rebaudioside A in Pure and Binary Mixed Solvents at 298.15 to 328.15 K Solubility of Potassium Sulfonate in aqueous ethanol 2-ethoxyethanol, and the feasibility of the 2-ethoxyethanol 4-chloroethyl Acetate System:</b>	<a href="https://www.doi.org/10.1021/acs.jced.9b00011">https://www.doi.org/10.1021/acs.jced.9b00011</a> <a href="https://www.doi.org/10.1021/je025566c">https://www.doi.org/10.1021/je025566c</a> <a href="https://www.doi.org/10.1021/acs.jced.8b00780">https://www.doi.org/10.1021/acs.jced.8b00780</a> <a href="https://www.doi.org/10.1016/j.jct.2013.11.007">https://www.doi.org/10.1016/j.jct.2013.11.007</a> <a href="https://www.doi.org/10.1016/j.jct.2004.06.004">https://www.doi.org/10.1016/j.jct.2004.06.004</a> <a href="https://www.doi.org/10.1021/je300202z">https://www.doi.org/10.1021/je300202z</a>
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## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>cpl:</b>	Liquid phase heat capacity
<b>dvisc:</b>	Dynamic viscosity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<b>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>pvap:</b>	Vapor pressure
<b>rfi:</b>	Refractive Index
<b>rhol:</b>	Liquid Density
<b>rinpol:</b>	Non-polar retention indices
<b>ripol:</b>	Polar retention indices
<b>speedsl:</b>	Speed of sound in fluid
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume
<b>volm:</b>	Molar Volume

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