Methyl Alcohol

Other names:	Alcool methylique
	Alcool metilico
	Bieleski's solution
	CARBINOL
	CH3OH
	Colonial spirit
	Columbian spirit
	Columbian spirits
	Hydroxymethane
	METHANOL
	METHYLHYDROXIDE
	Metanolo
	Methyl hydroxide
	Methylalkohol
	Methylol
	Metylowy alkohol
	Monohydroxymethane
	NSC 85232
	Pyro alcohol
	Pyroxylic spirit
	Rcra waste number U154
	Spirit of wood
	UN 1230
	Wood alcohol
	Wood naphtha
	Wood spirit
Inchi:	InChI=1S/CH4O/c1-2/h2H,1H3
InchiKey:	OKKJLVBELUTLKV-UHFFFAOYSA-N
Formula:	CH4O
SMILES:	CO
Mol. weight [g/mol]:	32.04
CAS:	67-56-1

Physical Properties

Property code	Value	Unit	Source
af	0.5560		KDB

affp	754.30	kJ/mol	NIST Webbook
aigt	737.04	K	KDB
basg	724.50	kJ/mol	NIST Webbook
chg	-763.68 ± 0.20	kJ/mol	NIST Webbook
chl	-725.70 ± 0.10	kJ/mol	NIST Webbook
chl	-715.05	kJ/mol	NIST Webbook
chl	-713.83	kJ/mol	NIST Webbook
chl	-726.50 ± 0.20	kJ/mol	NIST Webbook
chl	-726.34 ± 0.20	kJ/mol	NIST Webbook
cpl	81.38	J/mol×K	Molar heat capacities for {isomer of butanediol + methanol} as function of mixture composition and temperature
cpl	80.81	J/mol×K	THERMODYNAMICS OF MIXTURES CONTAINING AMINES. XIV. CpEm OF BENZYLAMINE WITH HEPTANE AT 293.15 K OR WITH METHANOL, 1-PROPANOL OR 1-PENTANOL AT (293.15-308.15) K
dm	1.70	debye	KDB
dvisc	0.0005482	Pa×s	Densities and Viscosities of Binary Liquid Mixtures of Trichloroethylene and Tetrachloroethylene with Some Polar and Nonpolar Solvents
dvisc	0.0005500	Pa×s	Densities and Viscosities for the Ternary Systems of Methyl tert-Butyl Ether + Methanol + Benzene and Methyl tert-Butyl Ether + Methanol + Toluene and Their Sub-binary Systems at 298.15 K
fll	6.00	% in Air	KDB
flu	36.50	% in Air	KDB
fpc	289.26	K	KDB
fpo	285.37	K	KDB
gf	-162.60	kJ/mol	KDB
gyrad	1.5360		KDB
hf	-201.30	kJ/mol	KDB
hfl	-238.90 ± 3.60	kJ/mol	NIST Webbook
hfl	-239.50 ± 0.20	kJ/mol	NIST Webbook
hfl	-238.40	kJ/mol	NIST Webbook
hfl	-251.30 ± 5.00	kJ/mol	NIST Webbook
hfl	-250.60	kJ/mol	NIST Webbook
hfus	2.43	kJ/mol	Joback Method
hvap	38.00	kJ/mol	NIST Webbook

hvap	37.83	kJ/mol	NIST Webbook
hvap	37.80	kJ/mol	NIST Webbook
hvap	37.43 ± 0.02	kJ/mol	NIST Webbook
hvap	37.30 ± 0.10	kJ/mol	NIST Webbook
hvap	37.30 ± 0.08	kJ/mol	NIST Webbook
hvap	37.70 ± 0.10	kJ/mol	NIST Webbook
hvap	37.40 ± 0.10	kJ/mol	NIST Webbook
hvap	37.40 ± 0.04	kJ/mol	NIST Webbook
hvap	37.80	kJ/mol	NIST Webbook
hvap	35.30 ± 0.04	kJ/mol	NIST Webbook
hvap	37.43 ± 0.02	kJ/mol	NIST Webbook
ie	10.94	eV	NIST Webbook
ie	10.95	eV	NIST Webbook
ie	11.00	eV	NIST Webbook
ie	10.96	eV	NIST Webbook
ie	10.85 ± 0.02	eV	NIST Webbook
ie	10.83	eV	NIST Webbook
ie	10.85	eV	NIST Webbook
ie	10.84 ± 0.02	eV	NIST Webbook
ie	10.83	eV	NIST Webbook
ie	10.85	eV	NIST Webbook
ie	10.83 ± 0.01	eV	NIST Webbook
ie	10.85	eV	NIST Webbook
ie	10.85	eV	NIST Webbook
ie	10.85 ± 0.02	eV	NIST Webbook
ie	10.83 ± 0.03	eV	NIST Webbook
ie	10.90 ± 0.12	eV	NIST Webbook
ie	10.85 ± 0.00	eV	NIST Webbook
ie	10.85 ± 0.01	eV	NIST Webbook
ie	10.90 ± 0.03	eV	NIST Webbook
ie	10.84 ± 0.08	eV	NIST Webbook
ie	10.90	eV	NIST Webbook
ie	10.84 ± 0.07	eV	NIST Webbook
ie	10.86	eV	NIST Webbook
ie	10.85 ± 0.03	eV	NIST Webbook
ie	10.84 ± 0.01	eV	NIST Webbook
ie	10.96	eV	NIST Webbook
ie	10.95	eV	NIST Webbook
ie	10.95	eV	NIST Webbook
ie	10.96	eV	NIST Webbook
ie	10.97 ± 0.03	eV	NIST Webbook
ie	10.95	eV	NIST Webbook
ie	10.82 ± 0.05	eV	NIST Webbook
log10ws	1.57		Aqueous Solubility Prediction Method

log10ws	1.57		Estimated Solubility Method
logp	-0.391		Crippen Method
mcvol	30.820	ml/mol	McGowan Method
nfpaf	%!d(float64=3)		KDB
nfpah	%!d(float64=1)		KDB
pc	8084.00	kPa	KDB
pc	8120.00	kPa	Critical Properties of Binary and Ternary Mixtures of Hexane + Methanol, Hexane + Carbon Dioxide, Methanol + Carbon Dioxide and Hexane + Carbon Dioxide + Methanol
rinpol	382.00		NIST Webbook
rinpol	330.00		NIST Webbook
rinpol	355.00		NIST Webbook
rinpol	373.00		NIST Webbook
rinpol	336.00		NIST Webbook
rinpol	356.00		NIST Webbook
rinpol	384.00		NIST Webbook
rinpol	340.00		NIST Webbook
rinpol	381.00		NIST Webbook
rinpol	353.50		NIST Webbook
rinpol	381.00		NIST Webbook
rinpol	373.00		NIST Webbook
rinpol	380.00		NIST Webbook
rinpol	408.00		NIST Webbook
rinpol	373.00		NIST Webbook
rinpol	362.00		NIST Webbook
rinpol	381.00		NIST Webbook
rinpol	370.00		NIST Webbook
rinpol	373.00		NIST Webbook
rinpol	381.00		NIST Webbook
rinpol	381.00		NIST Webbook
rinpol	353.00		NIST Webbook
rinpol	348.00		NIST Webbook
rinpol	395.00		NIST Webbook
rinpol	370.00		NIST Webbook
rinpol	338.00		NIST Webbook
rinpol	367.50		NIST Webbook
rinpol	381.00		NIST Webbook
rinpol	372.70		NIST Webbook
rinpol	378.20		NIST Webbook
rinpol	400.00		NIST Webbook
rinpol	348.00		NIST Webbook

rinpol	400.00	NIST Webbook
rinpol	361.00	NIST Webbook
rinpol	404.00	NIST Webbook
rinpol	362.00	NIST Webbook
rinpol	381.00	NIST Webbook
rinpol	368.00	NIST Webbook
rinpol	382.00	NIST Webbook
rinpol	384.00	NIST Webbook
rinpol	404.00	NIST Webbook
rinpol	391.00	NIST Webbook
rinpol	353.00	NIST Webbook
rinpol	380.00	NIST Webbook
rinpol	379.00	NIST Webbook
rinpol	381.00	NIST Webbook
ripol	899.00	NIST Webbook
ripol	910.40	NIST Webbook
ripol	883.00	NIST Webbook
ripol	920.00	NIST Webbook
ripol	909.00	NIST Webbook
ripol	897.00	NIST Webbook
ripol	920.00	NIST Webbook
ripol	905.00	NIST Webbook
ripol	898.00	NIST Webbook
ripol	905.00	NIST Webbook
ripol	903.00	NIST Webbook
ripol	911.00	NIST Webbook
ripol	907.00	NIST Webbook
ripol	911.00	NIST Webbook
ripol	921.00	NIST Webbook
ripol	895.00	NIST Webbook
ripol	899.00	NIST Webbook
ripol	892.00	NIST Webbook
ripol	866.00	NIST Webbook
ripol	916.00	NIST Webbook
ripol	910.40	NIST Webbook
ripol	888.00	NIST Webbook
ripol	899.00	NIST Webbook
ripol	914.00	NIST Webbook
ripol	886.00	NIST Webbook
ripol	897.00	NIST Webbook
ripol	904.00	NIST Webbook
ripol	892.00	NIST Webbook
ripol	881.00	NIST Webbook
ripol	860.00	NIST Webbook

ripol	891.00		NIST Webbook
ripol	917.00		NIST Webbook
ripol	869.00		NIST Webbook
ripol	907.00		NIST Webbook
sl	136.40	J/mol×K	NIST Webbook
sl	129.70	J/mol×K	NIST Webbook
sl	126.80	J/mol×K	NIST Webbook
sl	127.19	J/mol×K	NIST Webbook
ss	1.12	J/mol×K	NIST Webbook
tb	337.80	K	Effect of Dissolved Salts on the Enthalpy of Mixing of the Methanol + Formic Acid System at 303.15 K
tb	337.86	K	Isobaric (vapor-liquid) equilibria for binary systems of methanol + 1-(methoxymethoxy)-propane and 1-propanol + 1-(methoxymethoxy)-propane at 101.33 kPa
tb	337.83	K	Experimental isobaric vapor-liquid equilibrium for the binary and ternary systems with methanol, methyl acetate and dimethyl sulfoxide at 101.3 kPa
tb	337.85	K	Measurement and correlation of isobaric vapor-liquid equilibria of methanol + tetrahydrofuran + 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide at 101.3 kPa
tb	337.65	K	Isobaric vapor-liquid equilibrium for acetone + methanol system containing different ionic liquids at 101.3 kPa
tb	337.65	K	Isobaric vapor-liquid equilibrium for methanol + methyl acetate with ionic liquids [OMMIM][Tf2N] and [OMIM][Tf2N] as entrainers at 101.3 kPa
tb	363.41	K	Measurement of (vapor + liquid) equilibrium for the systems {methanol + dimethyl carbonate} and {methanol + dimethyl carbonate + tetramethylammonium bicarbonate} at p = (34.43, 67.74) kPa

tb	337.65	K	Isobaric (vapor + liquid) equilibrium data for the binary system methanol + 2-butyl alcohol and the quaternary system methyl acetate + methanol + 2-butyl alcohol + 2-butyl acetate at P = 101.33 kPa
tb	337.68	K	Experimental determination of vapor liquid equilibrium for methanol + methyl propionate + 1-butyl-3-methylimidazo-lium bis(trifluoromethylsulfonyl)imide at atmospheric pressure
tb	337.78	K	A new analysis method for improving collection of vapor-liquid equilibrium (VLE) data of binary mixtures using differential scanning calorimetry (DSC)
tb	337.68	K	Isobaric Vapor - Liquid Equilibrium for Ethyl acetate + Methanol + Ionic Liquids Ternary systems at 101.3 kPa
tb	337.85	K	Vapor Liquid Equilibria Measurement of (Methanol + Ethanenitrile + Bis(trifluoromethylsulfonyl) Imide)-Based Ionic Liquids at 101.3 kPa
tb	337.85	K	Measurement and Modelization of VLE for Butyl Acetate with Methanol, Ethanol, 1-Propanol, and 1-Butanol. Experimental Data at 0.15 MPa
tb	337.45	K	Effect of Ionic Liquids on the Binary Vapor-Liquid Equilibrium of Ethyl Acetate + Methanol System at 101.3 kPa
tb	337.83	K	Isobaric Vapor-Liquid Equilibrium for the Binary Systems of 2-Butanol + 2-(Methoxymethoxy)-butane and 1-Butanol + 2-(Methoxymethoxy)-butane at 101.3 kPa
tb	337.68	K	Determination of Ternary Vapor-Liquid Equilibrium of Dimethyl Oxalate-Methanol-1,2-Butanediol under Atmosphere Pressure

tb	337.83	K	Isobaric Vapor-Liquid Equilibrium Measurements and Separation Process for the Quinary Methanol + Methylal + 2-Butanol + 2-(Methoxymethoxy)-butane + (+-)-Di-sec-butoxymethane System
tb	337.69	K	Isobaric Vapor-Liquid Equilibrium for the Binary System of Dimethyl Adipate and 1,6-Hexanediol at 10, 20, and 99 kPa
tb	337.83	K	Isobaric Phase Equilibria of Diethyl Carbonate with Five Alcohols at 101.3 kPa
tb	337.69	K	Vapor-Liquid Equilibrium Data for Methanol + 1,3-Dioxolane + Water and Constituent Binary Systems at 101.3 kPa.
tb	337.62	K	Measurement and Correlation of Excess Molar Enthalpies for Ethylene Glycol + Alkanol Systems at the Temperatures (298.15, 308.15, and 323.15) K
tb	337.67	K	Vapor-Liquid Equilibrium of Durene in Methanol or Ethanol
tb	337.90	K	Vapor-Liquid Equilibrium and Mixing Properties of Methanol + Diethyl Carbonate and Vinyl Acetate + Diethyl Carbonate Systems
tb	337.75	K	Isobaric Vapor-Liquid Equilibrium of Acetone + Methanol System in the Presence of Calcium Bromide
tb	337.67	K	Vapor-Liquid Equilibrium Behavior of Tolan in Alcohol
tb	337.57	K	Vapor-Liquid Equilibrium and Liquid-Liquid Equilibrium of Methyl Acetate + Methanol + 1-Ethyl-3-methylimidazolium Acetate
tb	337.65	K	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K

tb	337.84	K	Organic Salt Effect of Tetramethylammonium Bicarbonate on the Vapor Liquid Equilibrium of the Methanol Water System
tb	337.85	K	Isobaric Vapor Liquid Equilibrium for Methanol + Dimethyl Carbonate + 1-Octyl-3-methylimidazolium Tetrafluoroborate
tb	337.84	K	Organic Salt Effect of Tetramethylammonium Bicarbonate on Vapor-Liquid Equilibrium of the Dimehyl Carbonate + Methanol System
tb	337.85	K	Vapor Liquid Equilibrium Data for Methanol + tert-Butylamine + N,N-Dimethylformamide and Constituent Binary Systems at Atmospheric Pressure
tb	337.75	K	Vapor Liquid Equilibrium at p/kPa = 101.3 of the Binary Mixtures of Ethenyl Acetate with Methanol and Butan-1-ol
tb	337.70	K	Isobaric vapor-liquid equilibria of the binary mixtures propylene glycol methyl ether + propylene glycol methyl ether acetate, methyl acetate + propylene glycol methyl ether and methanol + propylene glycol methyl ether acetate at 101.3 kPa
tb	337.82	K	Isobaric Vapor Liquid Equilibrium for the Binary Systems of Methanol, Diethylamine, and N,N-Diethylethanolamine at p = (60.0 and 101.3) kPa
tb	337.75	K	Isobaric vapor-liquid equilibrium data for the binary system methyl acetate + isopropyl acetate and the quaternary system methyl acetate + methanol + isopropanol + isopropyl acetate at 101.3 kPa
tb	337.50	K	Isobaric vapor liquid equilibria of 1,1-dimethylethoxy-butane + methanol or ethanol +water at 101.32 kPa

tb	337.50	K	Isobaric vapor liquid equilibria for systems composed by 2-ethoxy-2-methylbutane, methanol or ethanol and water at 101.32 kPa
tb	337.70	K	KDB
tb	337.65	K	Experimental Measurements of Vapor Liquid Equilibrium Data for the Binary Systems of Methanol + 2-Butyl Acetate, 2-Butyl Alcohol + 2-Butyl Acetate, and Methyl Acetate + 2-Butyl Acetate at 101.33 kPa
tb	337.64	K	Vapor Liquid Equilibrium Behaviors of 5-Methyl-2-(1-methylethyl)phenol in Alcohol
tb	337.45	K	Measurements and correlations of density, viscosity, and vapour-liquid equilibrium for fluoro alcohols
tc	513.40 ± 0.50	K	NIST Webbook
tc	505.90	K	NIST Webbook
tc	513.20	K	NIST Webbook
tc	513.20	K	NIST Webbook
tc	536.00	K	NIST Webbook
tc	513.40	K	NIST Webbook
tc	512.50	K	NIST Webbook
tc	515.20	K	NIST Webbook
tc	512.50	K	KDB
tc	512.30	K	Measurement of critical temperatures and critical pressures for binary mixtures of methyl tert-butyl ether (MTBE) + alcohol and MTBE + alkane
tc	512.30	K	Measurement and correlation of critical properties for binary mixtures and ternary mixtures containing gasoline additives
tc	512.50 ± 0.20	K	NIST Webbook
tc	514.35 ± 1.00	K	NIST Webbook
tc	512.64	K	NIST Webbook
tc	512.47 ± 0.10	K	NIST Webbook
tc	512.50	K	NIST Webbook
tc	512.64	K	NIST Webbook
tc	512.60	K	NIST Webbook
tc	512.50 ± 1.00	K	NIST Webbook

tc	512.36 ± 0.15	K	NIST Webbook
tc	512.36 ± 0.20	K	NIST Webbook
tc	512.36 ± 0.20	K	NIST Webbook
tc	514.70	K	NIST Webbook
tc	512.65 ± 0.30	K	NIST Webbook
tc	513.00	K	NIST Webbook
tc	512.68	K	NIST Webbook
tc	513.15 ± 2.77	K	NIST Webbook
tc	513.90	K	NIST Webbook
tc	513.20	K	NIST Webbook
tc	505.20	K	NIST Webbook
tc	512.60	K	NIST Webbook
tc	513.80	K	NIST Webbook
tc	513.20	K	NIST Webbook
tc	506.20	K	NIST Webbook
tf	175.47	K	KDB
tf	175.15	K	Solid-liquid equilibria and the physical properties of binary systems of diphenyl carbonate, dimethyl carbonate, methyl phenyl carbonate, anisole, methanol and phenol
tf	175.25	K	Aqueous Solubility Prediction Method
tt	175.67 ± 0.20	K	NIST Webbook
tt	175.59	K	KDB
tt	175.61 ± 0.05	K	NIST Webbook
tt	175.59 ± 0.02	K	NIST Webbook
tt	175.37 ± 0.08	K	NIST Webbook
tt	175.60 ± 0.10	K	NIST Webbook
tt	175.30 ± 0.10	K	NIST Webbook
tt	175.22 ± 0.10	K	NIST Webbook
tt	176.00 ± 1.00	K	NIST Webbook
vc	0.117	m3/kmol	NIST Webbook
vc	0.113	m3/kmol	NIST Webbook
vc	0.118 ± 0.004	m3/kmol	NIST Webbook
vc	0.117 ± 0.004	m3/kmol	NIST Webbook
vc	0.117	m3/kmol	KDB
zc	0.2219640		KDB
zra	0.24		KDB

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	46.80 ± 1.20	J/mol×K	347.35	NIST Webbook
cpg	66.40 ± 1.20	J/mol×K	581.35	NIST Webbook
cpg	64.30 ± 1.20	J/mol×K	555.95	NIST Webbook
cpg	61.40 ± 1.20	J/mol×K	521.35	NIST Webbook
cpg	60.40 ± 1.30	J/mol×K	521.20	NIST Webbook
cpg	59.50 ± 1.20	J/mol×K	498.95	NIST Webbook
cpg	58.40 ± 1.20	J/mol×K	485.05	NIST Webbook
cpg	57.80 ± 1.20	J/mol×K	477.75	NIST Webbook
cpg	57.20 ± 0.42	J/mol×K	464.00	NIST Webbook
cpg	56.00 ± 1.20	J/mol×K	457.35	NIST Webbook
cpg	55.90 ± 1.30	J/mol×K	442.65	NIST Webbook
cpg	54.80 ± 1.20	J/mol×K	442.15	NIST Webbook
cpg	53.90 ± 1.20	J/mol×K	431.45	NIST Webbook
cpg	53.20 ± 1.30	J/mol×K	420.15	NIST Webbook
cpg	52.01 ± 0.42	J/mol×K	403.20	NIST Webbook
cpg	66.80 ± 1.20	J/mol×K	585.35	NIST Webbook
cpg	52.30 ± 1.30	J/mol×K	401.15	NIST Webbook
cpg	51.10 ± 1.20	J/mol×K	398.95	NIST Webbook
cpg	51.30 ± 1.30	J/mol×K	382.15	NIST Webbook
cpg	49.00 ± 1.20	J/mol×K	373.35	NIST Webbook
cpg	48.80 ± 1.30	J/mol×K	359.85	NIST Webbook
cpg	48.20 ± 1.30	J/mol×K	358.85	NIST Webbook
cpg	46.70 ± 1.30	J/mol×K	358.15	NIST Webbook
cpg	47.60 ± 1.20	J/mol×K	356.55	NIST Webbook
cpg	46.10 ± 1.30	J/mol×K	349.65	NIST Webbook
cpg	48.00 ± 1.30	J/mol×K	345.60	NIST Webbook
cpg	42.40 ± 1.30	J/mol×K	279.00	NIST Webbook
cpg	50.30 ± 1.30	J/mol×K	368.15	NIST Webbook
cpg	51.30 ± 1.20	J/mol×K	401.35	NIST Webbook
cpl	78.90	J/mol×K	288.15	NIST Webbook
cpl	81.47	J/mol×K	298.15	NIST Webbook
cpl	81.92	J/mol×K	298.15	NIST Webbook
cpl	80.80	J/mol×K	293.15	NIST Webbook
cpl	81.13	J/mol×K	298.15	NIST Webbook
cpl	83.70	J/mol×K	298.00	NIST Webbook
cpl	85.80	J/mol×K	313.20	NIST Webbook
cpl	85.80	J/mol×K	298.20	NIST Webbook
cpl	80.80	J/mol×K	311.00	NIST Webbook
cpl	86.20	J/mol×K	323.00	NIST Webbook
cpl	80.22	J/mol×K	298.15	NIST Webbook
cpl	86.60	J/mol×K	300.80	NIST Webbook
cpl	83.56	J/mol×K	313.15	NIST Webbook
cpl	79.90	J/mol×K	292.00	NIST Webbook

cpl	78.20	J/mol×K	270.00	NIST Webbook
cpl	79.90	J/mol×K	290.10	NIST Webbook
cpl	83.30	J/mol×K	298.00	NIST Webbook
cpl	80.28	J/mol×K	298.15	NIST Webbook
cpl	81.32	J/mol×K	298.00	NIST Webbook
cpl	75.77	J/mol×K	270.00	NIST Webbook
cpl	81.00	J/mol×K	298.15	NIST Webbook
cpl	80.35	J/mol×K	298.15	NIST Webbook
cpl	80.24	J/mol×K	298.15	NIST Webbook
cpl	81.11	J/mol×K	298.15	NIST Webbook
cpl	79.50	J/mol×K	298.15	NIST Webbook
cpl	166.94	J/mol×K	512.35	Thermodynamic Properties of Methanol in the Critical and Supercritical Regions
cpl	96.88	J/mol×K	348.15	Thermodynamic properties of mixtures of N-methyl-2-pyrrolidinone and methanol at temperatures between 298.15 K and 343.15 K and pressures up to 60 MPa
cpl	81.56	J/mol×K	298.15	NIST Webbook
cpl	88.64	J/mol×K	328.15	Thermodynamic properties of mixtures of N-methyl-2-pyrrolidinone and methanol at temperatures between 298.15 K and 343.15 K and pressures up to 60 MPa
cpl	85.51	J/mol×K	318.15	Thermodynamic properties of mixtures of N-methyl-2-pyrrolidinone and methanol at temperatures between 298.15 K and 343.15 K and pressures up to 60 MPa
cpl	83.01	J/mol×K	308.15	Thermodynamic properties of mixtures of N-methyl-2-pyrrolidinone and methanol at temperatures between 298.15 K and 343.15 K and pressures up to 60 MPa

cpl	81.17	J/mol×K	298.15	Thermodynamic properties of mixtures of N-methyl-2-pyrrolidinone and methanol at temperatures between 298.15 K and 343.15 K and pressures up to 60 MPa
cpl	87.00	J/mol×K	323.15	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K
cpl	85.70	J/mol×K	318.15	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K
cpl	84.50	J/mol×K	313.15	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K
cpl	83.40	J/mol×K	308.15	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K
cpl	82.30	J/mol×K	303.15	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K
cpl	81.30	J/mol×K	298.15	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K
cpl	80.40	J/mol×K	293.15	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K

cpl	79.50	J/mol×K	288.15	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K
cpl	78.60	J/mol×K	283.15	Heat capacities of the mixtures of ionic liquids with methanol at temperatures from 283.15 K to 323.15 K
cpl	206.35	J/mol×K	512.78	Thermodynamic Properties of Methanol in the Critical and Supercritical Regions
cpl	202.18	J/mol×K	512.78	Thermodynamic Properties of Methanol in the Critical and Supercritical Regions
cpl	194.49	J/mol×K	512.77	Thermodynamic Properties of Methanol in the Critical and Supercritical Regions
cpl	184.24	J/mol×K	512.73	Thermodynamic Properties of Methanol in the Critical and Supercritical Regions
cpl	92.43	J/mol×K	338.15	Thermodynamic properties of mixtures of N-methyl-2-pyrrolidinone and methanol at temperatures between 298.15 K and 343.15 K and pressures up to 60 MPa
cps	5.40	J/mol×K	20.50	NIST Webbook
cps	105.00	J/mol×K	173.00	NIST Webbook
cps	68.39	J/mol×K	120.00	NIST Webbook
dvisc	0.0004702	Pa×s	313.15	Densities and Viscosities for Binary Mixtures of the Ionic Liquid N-Ethyl Piperazinium Propionate with n-Alcohols at Several Temperatures

dvisc	0.0005560	Pa×s	298.15	Densities and Viscosities of Binary Mixtures of Cyclopropanecarboxylic Acid with Methanol, Ethanol, Propan-1-ol, and Butan-1-ol at Different Temperatures
dvisc	0.0004430	Pa×s	328.15	Temperature and Composition Dependence of the Density and Viscosity of Binary Mixtures of {1-Butyl-3-methylimidazolium Thiocyanate + 1-Alcohols}
dvisc	0.0004810	Pa×s	318.15	Temperature and Composition Dependence of the Density and Viscosity of Binary Mixtures of {1-Butyl-3-methylimidazolium Thiocyanate + 1-Alcohols}
dvisc	0.0005250	Pa×s	308.15	Temperature and Composition Dependence of the Density and Viscosity of Binary Mixtures of {1-Butyl-3-methylimidazolium Thiocyanate + 1-Alcohols}
dvisc	0.0005770	Pa×s	298.15	Temperature and Composition Dependence of the Density and Viscosity of Binary Mixtures of {1-Butyl-3-methylimidazolium Thiocyanate + 1-Alcohols}
dvisc	0.0003724	Pa×s	333.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K

dvisc	0.0003903	Pa×s	328.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K
dvisc	0.0004093	Pa×s	323.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K
dvisc	0.0004324	Pa×s	318.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K
dvisc	0.0004576	Pa×s	313.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K
dvisc	0.0004849	Pa×s	308.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K
dvisc	0.0005154	Pa×s	303.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K

dvisc	0.0005509	Pa×s	298.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K
dvisc	0.0005884	Pa×s	293.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K
dvisc	0.0006315	Pa×s	288.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K
dvisc	0.0006781	Pa×s	283.15	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T) (283.15 to 333.15) K
dvisc	0.0003940	Pa×s	323.15	Volumetric Properties and Viscosities of Binary Mixtures of N,N-Dimethylformamide with Methanol and Ethanol in the Temperature Range (293.15 to 333.15) K
dvisc	0.0004470	Pa×s	313.15	Volumetric Properties and Viscosities of Binary Mixtures of N,N-Dimethylformamide with Methanol and Ethanol in the Temperature Range (293.15 to 333.15) K

dvisc	0.0005100	Pa×s	303.15	Volumetric Properties and Viscosities of Binary Mixtures of N,N-Dimethylformamide with Methanol and Ethanol in the Temperature Range (293.15 to 333.15) K
dvisc	0.0005470	Pa×s	298.15	Volumetric Properties and Viscosities of Binary Mixtures of N,N-Dimethylformamide with Methanol and Ethanol in the Temperature Range (293.15 to 333.15) K
dvisc	0.0005870	Pa×s	293.15	Volumetric Properties and Viscosities of Binary Mixtures of N,N-Dimethylformamide with Methanol and Ethanol in the Temperature Range (293.15 to 333.15) K
dvisc	0.0003873	Pa×s	323.15	Viscosimetric Study of Binary Mixtures Containing Pyridinium-Based Ionic Liquids and Alkanols
dvisc	0.0004438	Pa×s	313.15	Viscosimetric Study of Binary Mixtures Containing Pyridinium-Based Ionic Liquids and Alkanols
dvisc	0.0005070	Pa×s	303.15	Viscosimetric Study of Binary Mixtures Containing Pyridinium-Based Ionic Liquids and Alkanols
dvisc	0.0005833	Pa×s	293.15	Viscosimetric Study of Binary Mixtures Containing Pyridinium-Based Ionic Liquids and Alkanols

dvisc	0.0004185	Pa×s	318.15	Electrical Conductances of 1-Butyl-3-propylimidazolium Bromide and 1-Butyl-3-propylbenzimidazolium Bromide in Water, Methanol, and Acetonitrile at (308, 313, and 318) K at 0.1 MPa
dvisc	0.0004840	Pa×s	308.15	Densities and Viscosities of Binary Mixtures of Cyclopropanecarboxylic Acid with Methanol, Ethanol, Propan-1-ol, and Butan-1-ol at Different Temperatures
dvisc	0.0004240	Pa×s	318.15	Densities and Viscosities of Binary Mixtures of Cyclopropanecarboxylic Acid with Methanol, Ethanol, Propan-1-ol, and Butan-1-ol at Different Temperatures
dvisc	0.0003720	Pa×s	328.15	Densities and Viscosities of Binary Mixtures of Cyclopropanecarboxylic Acid with Methanol, Ethanol, Propan-1-ol, and Butan-1-ol at Different Temperatures
dvisc	0.0004440	Pa×s	313.15	Electrical Conductances of 1-Butyl-3-propylimidazolium Bromide and 1-Butyl-3-propylbenzimidazolium Bromide in Water, Methanol, and Acetonitrile at (308, 313, and 318) K at 0.1 MPa

dvisc	0.0004747	Pa×s	308.15	Electrical Conductances of 1-Butyl-3-propylimidazolium Bromide and 1-Butyl-3-propylbenzimidazolium Bromide in Water, Methanol, and Acetonitrile at (308, 313, and 318) K at 0.1 MPa
dvisc	0.0005261	Pa×s	303.15	Densities and Viscosities for Binary Mixtures of the Ionic Liquid N-Ethyl Piperazinium Propionate with n-Alcohols at Several Temperatures
dvisc	0.0004966	Pa×s	308.15	Densities and Viscosities for Binary Mixtures of the Ionic Liquid N-Ethyl Piperazinium Propionate with n-Alcohols at Several Temperatures
dvisc	0.0005580	Pa×s	298.15	Densities and Viscosities for Binary Mixtures of the Ionic Liquid N-Ethyl Piperazinium Propionate with n-Alcohols at Several Temperatures
dvisc	0.0003710	Pa×s	333.15	Viscosity and density measurement for six binary mixtures of water (methanol or ethanol) with an ionic liquid [BMIM][DMP] or [EMIM][DMP] at atmospheric pressure in the temperature range of (293.15 to 333.15) K

dvisc	0.0005510	Pa×s	298.15	Viscosities and densities for binary mixtures of N-methylpiperazine with methanol, ethanol, n-propanol, iso-propanol, n-butanol and iso-butanol at 293.15, 298.15 and 303.15K
dvisc	0.0003872	Pa×s	328.15	Viscosity and density measurement for six binary mixtures of water (methanol or ethanol) with an ionic liquid [BMIM][DMP] or [EMIM][DMP] at atmospheric pressure in the temperature range of (293.15 to 333.15) K
dvisc	0.0004055	Pa×s	323.15	Viscosity and density measurement for six binary mixtures of water (methanol or ethanol) with an ionic liquid [BMIM][DMP] or [EMIM][DMP] at atmospheric pressure in the temperature range of (293.15 to 333.15) K
dvisc	0.0004259	Pa×s	318.15	Viscosity and density measurement for six binary mixtures of water (methanol or ethanol) with an ionic liquid [BMIM][DMP] or [EMIM][DMP] at atmospheric pressure in the temperature range of (293.15 to 333.15) K

dvisc	0.0004482	Pa×s	313.15	Viscosity and density measurement for six binary mixtures of water (methanol or ethanol) with an ionic liquid [BMIM][DMP] or [EMIM][DMP] at atmospheric pressure in the temperature range of (293.15 to 333.15) K
dvisc	0.0004729	Pa×s	308.15	Viscosity and density measurement for six binary mixtures of water (methanol or ethanol) with an ionic liquid [BMIM][DMP] or [EMIM][DMP] at atmospheric pressure in the temperature range of (293.15 to 333.15) K
dvisc	0.0005008	Pa×s	303.15	Viscosity and density measurement for six binary mixtures of water (methanol or ethanol) with an ionic liquid [BMIM][DMP] or [EMIM][DMP] at atmospheric pressure in the temperature range of (293.15 to 333.15) K
dvisc	0.0005318	Pa×s	298.15	Viscosity and density measurement for six binary mixtures of water (methanol or ethanol) with an ionic liquid [BMIM][DMP] or [EMIM][DMP] at atmospheric pressure in the temperature range of (293.15 to 333.15) K

dvisc	0.0005676	Pa×s	293.15	Viscosity and density measurement for six binary mixtures of water (methanol or ethanol) with an ionic liquid [BMIM][DMP] or [EMIM][DMP] at atmospheric pressure in the temperature range of (293.15 to 333.15) K	
dvisc	0.0004410	Pa×s	313.15	Densities, Viscosities, and Refractive Properties of the Binary Mixtures of the Amino Acid Ionic Liquid [bmim][Ala] with Methanol or Benzylalcohol at T = (298.15 to 313.15) K	
dvisc	0.0004650	Pa×s	308.15	Densities, Viscosities, and Refractive Properties of the Binary Mixtures of the Amino Acid Ionic Liquid [bmim][Ala] with Methanol or Benzylalcohol at T = (298.15 to 313.15) K	
dvisc	0.0005150	Pa×s	303.15	Densities, Viscosities, and Refractive Properties of the Binary Mixtures of the Amino Acid Ionic Liquid [bmim][Ala] with Methanol or Benzylalcohol at T = (298.15 to 313.15) K	
dvisc	0.0005320	Pa×s	298.15	Densities, Viscosities, and Refractive Properties of the Binary Mixtures of the Amino Acid Ionic Liquid [bmim][Ala] with Methanol or Benzylalcohol at T = (298.15 to 313.15) K	

dvisc	0.0004601	Pa×s	323.15	Densities and Viscosities of Binary Mixture of the Ionic Liquid Bis(2-hydroxyethyl)ammonium Propionate with Methanol, Ethanol, and 1-Propanol at T = (293.15, 303.15, 313.15, and 323.15) K and at P = 0.1 MPa
dvisc	0.0005010	Pa×s	313.15	Densities and Viscosities of Binary Mixture of the Ionic Liquid Bis(2-hydroxyethyl)ammonium Propionate with Methanol, Ethanol, and 1-Propanol at T = (293.15, 303.15, 313.15, and 323.15) K and at P = 0.1 MPa
dvisc	0.0005535	Pa×s	303.15	Densities and Viscosities of Binary Mixture of the Ionic Liquid Bis(2-hydroxyethyl)ammonium Propionate with Methanol, Ethanol, and 1-Propanol at T = (293.15, 303.15, 313.15, and 323.15) K and at P = 0.1 MPa
dvisc	0.0006075	Pa×s	293.15	Densities and Viscosities of Binary Mixture of the Ionic Liquid Bis(2-hydroxyethyl)ammonium Propionate with Methanol, Ethanol, and 1-Propanol at T = (293.15, 303.15, 313.15, and 323.15) K and at P = 0.1 MPa
dvisc	0.0004559	Pa×s	313.15	Density and Viscosity of Clopidogrel Hydrogen Sulfate + Methanol and Clopidogrel Hydrogen Sulfate + Ethanol from (278.15 to 313.15) K

dvisc	0.0004857	Pa×s	308.15	Density and Viscosity of Clopidogrel Hydrogen Sulfate + Methanol and Clopidogrel Hydrogen Sulfate + Ethanol from (278.15 to 313.15) K
dvisc	0.0005199	Pa×s	303.15	Density and Viscosity of Clopidogrel Hydrogen Sulfate + Methanol and Clopidogrel Hydrogen Sulfate + Ethanol from (278.15 to 313.15) K
dvisc	0.0005585	Pa×s	298.15	Density and Viscosity of Clopidogrel Hydrogen Sulfate + Methanol and Clopidogrel Hydrogen Sulfate + Ethanol from (278.15 to 313.15) K
dvisc	0.0005990	Pa×s	293.15	Density and Viscosity of Clopidogrel Hydrogen Sulfate + Methanol and Clopidogrel Hydrogen Sulfate + Ethanol from (278.15 to 313.15) K
dvisc	0.0006410	Pa×s	288.15	Density and Viscosity of Clopidogrel Hydrogen Sulfate + Methanol and Clopidogrel Hydrogen Sulfate + Ethanol from (278.15 to 313.15) K
dvisc	0.0006890	Pa×s	283.15	Density and Viscosity of Clopidogrel Hydrogen Sulfate + Methanol and Clopidogrel Hydrogen Sulfate + Ethanol from (278.15 to 313.15) K

dvisc	0.0007418	Pa×s	278.15	Density and Viscosity of Clopidogrel Hydrogen Sulfate + Methanol and Clopidogrel Hydrogen Sulfate + Ethanol from (278.15 to 313.15) K
dvisc	0.0004185	Pa×s	318.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in Methanol (1) + Water (2) Mixtures at (298.15, 308.15, and 318.15) K
dvisc	0.0004747	Pa×s	308.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in Methanol (1) + Water (2) Mixtures at (298.15, 308.15, and 318.15) K
dvisc	0.0005446	Pa×s	298.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in Methanol (1) + Water (2) Mixtures at (298.15, 308.15, and 318.15) K
dvisc	0.0003720	Pa×s	328.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0003950	Pa×s	323.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures

dvisc	0.0004210	Pa×s	318.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0004450	Pa×s	313.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0004760	Pa×s	308.15	Densities and Viscosities of Binary Mixtures of m-Cresol with Ethylene Glycol or Methanol over Several Temperatures
dvisc	0.0003510	Pa×s	333.15	Densities and Viscosities of Diethyl Carbonate + Toluene, + Methanol, and + 2-Propanol from (293.15 to 363.15) K
dvisc	0.0003950	Pa×s	323.15	Densities and Viscosities of Diethyl Carbonate + Toluene, + Methanol, and + 2-Propanol from (293.15 to 363.15) K
dvisc	0.0004480	Pa×s	313.15	Densities and Viscosities of Diethyl Carbonate + Toluene, + Methanol, and + 2-Propanol from (293.15 to 363.15) K
dvisc	0.0005120	Pa×s	303.15	Densities and Viscosities of Diethyl Carbonate + Toluene, + Methanol, and + 2-Propanol from (293.15 to 363.15) K

dvisc	0.0005500	Pa×s	298.15	Densities and Viscosities of Diethyl Carbonate + Toluene, + Methanol, and + 2-Propanol from (293.15 to 363.15) K
dvisc	0.0005820	Pa×s	293.15	Densities and Viscosities of Diethyl Carbonate + Toluene, + Methanol, and + 2-Propanol from (293.15 to 363.15) K
dvisc	0.0003720	Pa×s	328.15	Excess Molar Volumes and Viscosities of Binary Mixtures of p-Cresol with Ethylene Glycol and Methanol at Different Temperature and Atmospheric Pressure
dvisc	0.0003950	Pa×s	323.15	Excess Molar Volumes and Viscosities of Binary Mixtures of p-Cresol with Ethylene Glycol and Methanol at Different Temperature and Atmospheric Pressure
dvisc	0.0004210	Pa×s	318.15	Excess Molar Volumes and Viscosities of Binary Mixtures of p-Cresol with Ethylene Glycol and Methanol at Different Temperature and Atmospheric Pressure
dvisc	0.0004500	Pa×s	313.15	Viscometric Studies of Molecular Interactions in Binary Liquid Mixtures of Isomeric Xylenes with Methanol

dvisc	0.0004450	Pa×s	313.15	Excess Molar Volumes and Viscosities of Binary Mixtures of p-Cresol with Ethylene Glycol and Methanol at Different Temperature and Atmospheric Pressure
dvisc	0.0004760	Pa×s	308.15	Excess Molar Volumes and Viscosities of Binary Mixtures of p-Cresol with Ethylene Glycol and Methanol at Different Temperature and Atmospheric Pressure
dvisc	0.0004470	Pa×s	313.15	Density and Viscosity of Binary Mixtures of Ethyl-2-methylbutyrate and Ethyl Hexanoate with Methanol, Ethanol, and 1-Propanol at (293.15, 303.15, and 313.15) K
dvisc	0.0005120	Pa×s	303.15	Density and Viscosity of Binary Mixtures of Ethyl-2-methylbutyrate and Ethyl Hexanoate with Methanol, Ethanol, and 1-Propanol at (293.15, 303.15, and 313.15) K
dvisc	0.0005770	Pa×s	293.15	Density and Viscosity of Binary Mixtures of Ethyl-2-methylbutyrate and Ethyl Hexanoate with Methanol, Ethanol, and 1-Propanol at (293.15, 303.15, and 313.15) K

dvisc	0.0005080	Pa×s	303.15	Dynamic Viscosities, Densities, and Speed of Sound and Derived Properties of the Binary Systems Acetic Acid with Water, Methanol, Ethanol, Ethyl Acetate and Methyl Acetate at T = (293.15, 298.15, and 303.15) K at Atmospheric Pressure
dvisc	0.0005450	Pa×s	298.15	Dynamic Viscosities, Densities, and Speed of Sound and Derived Properties of the Binary Systems Acetic Acid with Water, Methanol, Ethanol, Ethyl Acetate and Methyl Acetate at T = (293.15, 298.15, and 303.15) K at Atmospheric Pressure
dvisc	0.0005850	Pa×s	293.15	Dynamic Viscosities, Densities, and Speed of Sound and Derived Properties of the Binary Systems Acetic Acid with Water, Methanol, Ethanol, Ethyl Acetate and Methyl Acetate at T = (293.15, 298.15, and 303.15) K at Atmospheric Pressure
dvisc	0.0003970	Pa×s	323.15	Viscometric Studies of Molecular Interactions in Binary Liquid Mixtures of Isomeric Xylenes with Methanol

dvisc	0.0004220	Pa×s	318.15	Viscometric Studies of Molecular Interactions in Binary Liquid Mixtures of Isomeric Xylenes with Methanol
dvisc	0.0004800	Pa×s	308.15	Viscometric Studies of Molecular Interactions in Binary Liquid Mixtures of Isomeric Xylenes with Methanol
dvisc	0.0005130	Pa×s	303.15	Viscometric Studies of Molecular Interactions in Binary Liquid Mixtures of Isomeric Xylenes with Methanol
dvisc	0.0004170	Pa×s	323.15	Densities and viscosities of binary mixtures of 2,2-diethyl-1,1,3,3-tetramethylguanidinium bis(trifluoromethylsulfonyl)imide with methanol and ethanol
dvisc	0.0004390	Pa×s	318.15	Densities and viscosities of binary mixtures of 2,2-diethyl-1,1,3,3-tetramethylguanidinium bis(trifluoromethylsulfonyl)imide with methanol and ethanol
dvisc	0.0004590	Pa×s	313.15	Densities and viscosities of binary mixtures of 2,2-diethyl-1,1,3,3-tetramethylguanidinium bis(trifluoromethylsulfonyl)imide with methanol and ethanol
dvisc	0.0004900	Pa×s	308.15	Densities and viscosities of binary mixtures of 2,2-diethyl-1,1,3,3-tetramethylguanidinium bis(trifluoromethylsulfonyl)imide with methanol and ethanol

dvisc	0.0005240	Pa×s	303.15	Densities and viscosities of binary mixtures of 2,2-diethyl-1,1,3,3-tetramethylguanidinium bis(trifluoromethylsulfonyl)imide with methanol and ethanol
dvisc	0.0005520	Pa×s	298.15	Densities and viscosities of binary mixtures of 2,2-diethyl-1,1,3,3-tetramethylguanidinium bis(trifluoromethylsulfonyl)imide with methanol and ethanol
dvisc	0.0005840	Pa×s	293.15	Densities and viscosities of binary mixtures of 2,2-diethyl-1,1,3,3-tetramethylguanidinium bis(trifluoromethylsulfonyl)imide with methanol and ethanol
dvisc	0.0003450	Pa×s	333.85	Density, viscosity, and saturated vapor pressure of ethyl trifluoroacetate
dvisc	0.0003860	Pa×s	323.55	Density, viscosity, and saturated vapor pressure of ethyl trifluoroacetate
dvisc	0.0004430	Pa×s	313.50	Density, viscosity, and saturated vapor pressure of ethyl trifluoroacetate
dvisc	0.0005130	Pa×s	302.45	Density, viscosity, and saturated vapor pressure of ethyl trifluoroacetate
dvisc	0.0004600	Pa×s	313.15	Properties of pure 1-methylimidazolium acetate ionic liquid and its binary mixtures with alcohols
dvisc	0.0004860	Pa×s	308.15	Properties of pure 1-methylimidazolium acetate ionic liquid and its binary mixtures with alcohols

dvisc	0.0005170	Pa×s	303.15	Properties of pure 1-methylimidazolium acetate ionic liquid and its binary mixtures with alcohols
dvisc	0.0005510	Pa×s	298.15	Properties of pure 1-methylimidazolium acetate ionic liquid and its binary mixtures with alcohols
dvisc	0.0005880	Pa×s	293.15	Properties of pure 1-methylimidazolium acetate ionic liquid and its binary mixtures with alcohols
dvisc	0.0005080	Pa×s	303.15	Density, dynamic viscosity, and derived properties of binary mixtures of methanol or ethanol with water, ethyl acetate, and methyl acetate at T = (293.15, 298.15, and 303.15) K
dvisc	0.0005450	Pa×s	298.15	Density, dynamic viscosity, and derived properties of binary mixtures of methanol or ethanol with water, ethyl acetate, and methyl acetate at T = (293.15, 298.15, and 303.15) K
dvisc	0.0005850	Pa×s	293.15	Density, dynamic viscosity, and derived properties of binary mixtures of methanol or ethanol with water, ethyl acetate, and methyl acetate at T = (293.15, 298.15, and 303.15) K

dvisc	0.0003950	Pa×s	323.15	Densities and viscosities of binary mixtures of {dimethylsulfoxide + aliphatic lower alkanols (C1 C3)} at temperatures from T = 303.15 K to T = 323.15 K
dvisc	0.0004233	Pa×s	318.15	Densities and viscosities of binary mixtures of {dimethylsulfoxide + aliphatic lower alkanols (C1 C3)} at temperatures from T = 303.15 K to T = 323.15 K
dvisc	0.0004515	Pa×s	313.15	Densities and viscosities of binary mixtures of {dimethylsulfoxide + aliphatic lower alkanols (C1 C3)} at temperatures from T = 303.15 K to T = 323.15 K
dvisc	0.0004843	Pa×s	308.15	Densities and viscosities of binary mixtures of {dimethylsulfoxide + aliphatic lower alkanols (C1 C3)} at temperatures from T = 303.15 K to T = 323.15 K
dvisc	0.0005178	Pa×s	303.15	Densities and viscosities of binary mixtures of {dimethylsulfoxide + aliphatic lower alkanols (C1 C3)} at temperatures from T = 303.15 K to T = 323.15 K
dvisc	0.0004930	Pa×s	308.15	Densities, viscosities, and ultrasonic velocity studies of binary mixtures of trichloromethane with methanol, ethanol, propan-1-ol, and butan-1-ol at T=(298.15 and 308.15) K

dvisc	0.0005510	Pa×s	298.15	Densities, viscosities, and ultrasonic velocity studies of binary mixtures of trichloromethane with methanol, ethanol, propan-1-ol, and butan-1-ol at T=(298.15 and 308.15) K
dvisc	0.0004430	Pa×s	313.15	Dynamic viscosities of the ternary liquid mixtures (dimethyl carbonate + methanol + ethanol) and (dimethyl carbonate + methanol + hexane) at several temperatures
dvisc	0.0005530	Pa×s	298.15	Dynamic viscosities of the ternary liquid mixtures (dimethyl carbonate + methanol + ethanol) and (dimethyl carbonate + methanol + hexane) at several temperatures
dvisc	0.0005810	Pa×s	293.15	Dynamic viscosities of the ternary liquid mixtures (dimethyl carbonate + methanol + ethanol) and (dimethyl carbonate + methanol + hexane) at several temperatures
dvisc	0.0004792	Pa×s	328.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K

dvisc	0.0005962	Pa×s	318.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0007287	Pa×s	308.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0008699	Pa×s	298.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0005090	Pa×s	303.15	Viscosities and densities for binary mixtures of N-methylpiperazine with methanol, ethanol, n-propanol, iso-propanol, n-butanol and iso-butanol at 293.15, 298.15 and 303.15K
dvisc	0.0003490	Pa×s	333.15	Densities and Viscosities of Binary Mixtures of Methanol with Dimethyl Methylphosphonate and Dimethyl Phosphite from (293.15 to 333.15) K
dvisc	0.0003940	Pa×s	323.15	Densities and Viscosities of Binary Mixtures of Methanol with Dimethyl Methylphosphonate and Dimethyl Phosphite from (293.15 to 333.15) K

dvisc	0.0004490	Pa×s	313.15	Densities and Viscosities of Binary Mixtures of Methanol with Dimethyl Methylphosphonate and Dimethyl Phosphite from (293.15 to 333.15) K
dvisc	0.0004780	Pa×s	308.15	Densities and Viscosities of Binary Mixtures of Methanol with Dimethyl Methylphosphonate and Dimethyl Phosphite from (293.15 to 333.15) K
dvisc	0.0005060	Pa×s	303.15	Dynamic viscosities of the ternary liquid mixtures (dimethyl carbonate + methanol + ethanol) and (dimethyl carbonate + methanol + hexane) at several temperatures
dvisc	0.0005140	Pa×s	303.15	Densities and Viscosities of Binary Mixtures of Methanol with Dimethyl Methylphosphonate and Dimethyl Phosphite from (293.15 to 333.15) K
dvisc	0.0005910	Pa×s	293.00	Thermophysical Properties of Binary Mixtures of Methanol with Chlorobenzene and Bromobenzene from 293K to 313K
dvisc	0.0005180	Pa×s	303.00	Thermophysical Properties of Binary Mixtures of Methanol with Chlorobenzene and Bromobenzene from 293K to 313K

dvisc	0.0004500	Pa×s	313.00	Thermophysical Properties of Binary Mixtures of Methanol with Chlorobenzene and Bromobenzene from 293K to 313K
dvisc	0.0005950	Pa×s	293.15	Densities and Viscosities of Binary Mixtures of Methanol with Dimethyl Methylphosphonate and Dimethyl Phosphite from (293.15 to 333.15) K
dvisc	0.0005520	Pa×s	298.15	Densities and Viscosities of Binary Mixtures of Methanol with Dimethyl Methylphosphonate and Dimethyl Phosphite from (293.15 to 333.15) K
dvisc	0.0005930	Pa×s	293.15	Viscosities and densities for binary mixtures of N-methylpiperazine with methanol, ethanol, n-propanol, iso-propanol, n-butanol and iso-butanol at 293.15, 298.15 and 303.15K
hfust	3.18	kJ/mol	175.30	NIST Webbook
hfust	0.59	kJ/mol	161.10	NIST Webbook
hfust	2.20	kJ/mol	176.00	NIST Webbook
hfust	3.18	kJ/mol	175.30	NIST Webbook
hfust	3.22	kJ/mol	175.60	NIST Webbook
hfust	0.64	kJ/mol	157.30	NIST Webbook
hvapt	35.21	kJ/mol	337.70	NIST Webbook
hvapt	38.40	kJ/mol	300.50	NIST Webbook
hvapt	36.30	kJ/mol	418.00	NIST Webbook
hvapt	38.30	kJ/mol	322.50	NIST Webbook
hvapt	38.70	kJ/mol	305.50	NIST Webbook
hvapt	34.70 ± 0.10	kJ/mol	343.00	NIST Webbook
hvapt	35.30 ± 0.10	kJ/mol	338.00	NIST Webbook
hvapt	35.60 ± 0.10	kJ/mol	333.00	NIST Webbook
hvapt	36.20 ± 0.10	kJ/mol	323.00	NIST Webbook

hvapt	36.70 ± 0.10	kJ/mol	313.00	NIST Webbook
hvapt	37.00 ± 0.10	kJ/mol	306.00	NIST Webbook
hvapt	36.20 ± 0.10	kJ/mol	321.00	NIST Webbook
hvapt	35.60 ± 0.10	kJ/mol	331.00	NIST Webbook
hvapt	35.20 ± 0.10	kJ/mol	338.00	NIST Webbook
hvapt	38.30	kJ/mol	312.50	NIST Webbook
hvapt	37.50	kJ/mol	326.00	NIST Webbook
hvapt	7.40	kJ/mol	510.00	NIST Webbook
hvapt	20.60	kJ/mol	473.00	NIST Webbook
hvapt	28.10	kJ/mol	423.00	NIST Webbook
hvapt	32.70	kJ/mol	373.00	NIST Webbook
hvapt	35.10	kJ/mol	483.00	NIST Webbook
hvapt	36.10	kJ/mol	415.50	NIST Webbook
hvapt	37.00	kJ/mol	355.50	NIST Webbook
hvapt	38.30	kJ/mol	315.00	NIST Webbook
hvapt	38.90	kJ/mol	257.00	NIST Webbook
hvapt	43.70	kJ/mol	208.00	NIST Webbook
hvapt	36.90	kJ/mol	412.50	NIST Webbook
hvapt	39.20	kJ/mol	224.00	NIST Webbook
hvapt	37.00	kJ/mol	360.00	NIST Webbook
hvapt	35.25	kJ/mol	337.80	KDB
pvap	101.30	kPa	337.83	Isobaric Vapor-Liquid Equilibrium for the Binary Systems of 2-Butanol + 2-(Methoxymethoxy)-butane and 1-Butanol + 2-(Methoxymethoxy)-butane at 101.3 kPa
pvap	101.30	kPa	337.57	Vapor-Liquid Equilibrium and Liquid-Liquid Equilibrium of Methyl Acetate + Methanol + 1-Ethyl-3-methylimidazolium Acetate
pvap	85.40	kPa	333.42	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K

pvap	89.50	kPa	334.56	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	101.30	kPa	337.65	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	120.90	kPa	342.17	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	124.80	kPa	343.06	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	321.30	kPa	370.13	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	142.60	kPa	346.64	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	163.20	kPa	350.25	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K

pvap	181.00	kPa	353.17	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	181.70	kPa	353.27	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	202.70	kPa	356.35	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	221.30	kPa	358.91	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	241.40	kPa	361.45	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	255.90	kPa	363.19	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	261.60	kPa	363.85	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K

pvap	288.90	kPa	366.88	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	341.20	kPa	372.04	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	350.90	kPa	372.90	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	385.40	kPa	375.89	Isothermal Vapor-Liquid Equilibrium for Methanol and 2,3-Dimethyl-1-butene at 343.06 K, 353.27 K, 363.19 K, and 372.90 K
pvap	100.00	kPa	337.42	Influence of Some Ionic Liquids Containing the Trifluoromethanesulfonate Anion on the Vapor Liquid Equilibria of the Acetone + Methanol System
pvap	101.32	kPa	337.84	Organic Salt Effect of Tetramethylammonium Bicarbonate on the Vapor Liquid Equilibrium of the Methanol Water System
pvap	101.32	kPa	337.85	Isobaric Vapor Liquid Equilibrium for Methanol + Dimethyl Carbonate + 1-Octyl-3-methylimidazolium Tetrafluoroborate

pvap	101.32	kPa	337.84	Organic Salt Effect of Tetramethylammonium Bicarbonate on Vapor-Liquid Equilibrium of the Dimehyl Carbonate + Methanol System
pvap	100.00	kPa	337.42	1-Ethyl-3-methylimidazolium Dicyanamide as a Very Efficient Entrainer for the Extractive Distillation of the Acetone + Methanol System
pvap	101.00	kPa	337.85	Vapor Liquid Equilibrium Data for Methanol + tert-Butylamine + N,N-Dimethylformamide and Constituent Binary Systems at Atmospheric Pressure
pvap	101.30	kPa	337.75	Vapor Liquid Equilibrium at p/kPa = 101.3 of the Binary Mixtures of Ethenyl Acetate with Methanol and Butan-1-ol
pvap	60.00	kPa	324.92	Isobaric Vapor Liquid Equilibrium for the Binary Systems of Methanol, Diethylamine, and N,N-Diethylethanolamine at p = (60.0 and 101.3) kPa
pvap	101.30	kPa	337.82	Isobaric Vapor Liquid Equilibrium for the Binary Systems of Methanol, Diethylamine, and N,N-Diethylethanolamine at p = (60.0 and 101.3) kPa

pvap	101.33	kPa	337.65	Experimental Measurements of Vapor Liquid Equilibrium Data for the Binary Systems of Methanol + 2-Butyl Acetate, 2-Butyl Alcohol + 2-Butyl Acetate, and Methyl Acetate + 2-Butyl Acetate at 101.33 kPa
pvap	4.25	kPa	274.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	5.50	kPa	278.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	7.41	kPa	283.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	13.00	kPa	293.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	21.86	kPa	303.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	35.43	kPa	313.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide

pvap	55.54	kPa	323.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	84.93	kPa	333.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	125.74	kPa	343.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	181.56	kPa	353.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	256.27	kPa	363.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	354.35	kPa	373.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	55.30	kPa	323.15	Vapor-Liquid Equilibria and HE for Binary Systems of Dimethyl Ether (DME) with C1-C4 Alkan-1-ols at 323.15 K and Liquid-Liquid Equilibria for Ternary System of DME + Methanol + Water at 313.15 K

pvap	641.27	kPa	393.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	841.83	kPa	403.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	1089.15	kPa	413.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	180.50	kPa	353.15	Vapor-Liquid Equilibrium of Mixtures Containing Adipic Acid, Glutaric Acid, Dimethyl Adipate, Dimethyl Glutarate, Methanol, and Water
pvap	352.80	kPa	373.15	Vapor-Liquid Equilibrium of Mixtures Containing Adipic Acid, Glutaric Acid, Dimethyl Adipate, Dimethyl Glutarate, Methanol, and Water
pvap	641.30	kPa	393.15	Vapor-Liquid Equilibrium of Mixtures Containing Adipic Acid, Glutaric Acid, Dimethyl Adipate, Dimethyl Glutarate, Methanol, and Water

pvap	840.10	kPa	403.15	Vapor-Liquid Equilibrium of Mixtures Containing Adipic Acid, Glutaric Acid, Dimethyl Adipate, Dimethyl Glutarate, Methanol, and Water
pvap	1087.30	kPa	413.15	Vapor-Liquid Equilibrium of Mixtures Containing Adipic Acid, Glutaric Acid, Dimethyl Adipate, Dimethyl Glutarate, Methanol, and Water
pvap	1754.90	kPa	433.15	Vapor-Liquid Equilibrium of Mixtures Containing Adipic Acid, Glutaric Acid, Dimethyl Adipate, Dimethyl Glutarate, Methanol, and Water
pvap	181.00	kPa	353.10	Experimental Investigation of the Solubility of Ammonia in Methanol
pvap	635.00	kPa	393.10	Experimental Investigation of the Solubility of Ammonia in Methanol
pvap	55.50	kPa	323.13	Vapor Liquid Equilibrium for Butane + Methanol, + Ethanol, + 2-Propanol, + 2-Butanol, and + 2-Methyl-2-Propanol (TBA) at 323 K
pvap	267.60	kPa	364.52	Vapor Liquid Equilibrium for the Systems trans-2-Butene + Methanol, + 1-Propanol, + 2-Propanol, + 2-Butanol, and + 2-Methyl-2-propanol at 364.5 K

pvap	267.50	kPa	364.51	Vapor Liquid Equilibrium for the Systems 2-Methylpropane + Methanol, + 2-Propanol, + 2-Butanol, and + 2-Methyl-2-propanol at 364.5 K	
pvap	267.30	kPa	364.52	Vapor-Liquid Equilibrium for the cis-2-Butene + Methanol, + 2-Propanol, + 2-Butanol, + 2-Methyl-2-propanol Systems at 364.5 K	
pvap	40.00	kPa	315.75	Isobaric Vapor-Liquid Equilibria for Tetrahydropyran and Alcohol Systems	
pvap	53.33	kPa	322.15	Isobaric Vapor-Liquid Equilibria for Tetrahydropyran and Alcohol Systems	
pvap	182.61	kPa	353.15	Measurement and correlation of vapor liquid equilibria of binary systems containing the ionic liquids [EMIM][(CF3SO2)2N], [BMIM][(CF3SO2)2N], [MMIM][(CH3)2PO4] and oxygenated organic compounds respectively water	
pvap	66.66	kPa	327.34	Isobaric Vapor-Liquid Equilibria for Tetrahydropyran and Alcohol Systems	
pvap	79.99	kPa	331.73	Isobaric Vapor-Liquid Equilibria for Tetrahydropyran and Alcohol Systems	
pvap	93.32	kPa	335.57	Isobaric Vapor-Liquid Equilibria for Tetrahydropyran and Alcohol Systems	

pvap	98.66	kPa	336.98	Isobaric Vapor-Liquid Equilibria for Tetrahydropyran and Alcohol Systems
pvap	84.72	kPa	333.15	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	65.28	kPa	326.95	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	59.99	kPa	324.96	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	55.69	kPa	323.15	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	55.39	kPa	323.14	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	50.30	kPa	320.90	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	45.11	kPa	318.43	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	40.41	kPa	316.02	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	40.00	kPa	315.73	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone

pvap	35.52	kPa	313.15	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	35.42	kPa	313.06	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	30.33	kPa	309.79	Vapor-Liquid Equilibrium for Binary Systems of Diacetyl with Methanol and Acetone
pvap	267.00	kPa	364.47	Isothermal Vapor Liquid Equilibrium for 2-Methylpropene + Methanol, + 1-Propanol, + 2-Propanol, + 2-Butanol, and + 2-Methyl-2-propanol Binary Systems at 364.5 K
pvap	101.00	kPa	337.75	Isobaric Vapor-Liquid Equilibrium of Acetone + Methanol System in the Presence of Calcium Bromide
pvap	101.30	kPa	337.90	Vapor-Liquid Equilibrium and Mixing Properties of Methanol + Diethyl Carbonate and Vinyl Acetate + Diethyl Carbonate Systems
pvap	84.62	kPa	333.15	Vapor-Pressure Measurements of Liquid Solutions at Different Temperatures: Apparatus for Use over an Extended Temperature Range and Some New Data

pvap	68.94	kPa	328.15	Vapor-Pressure Measurements of Liquid Solutions at Different Temperatures: Apparatus for Use over an Extended Temperature Range and Some New Data
pvap	55.65	kPa	323.15	Vapor-Pressure Measurements of Liquid Solutions at Different Temperatures: Apparatus for Use over an Extended Temperature Range and Some New Data
pvap	44.59	kPa	318.15	Vapor-Pressure Measurements of Liquid Solutions at Different Temperatures: Apparatus for Use over an Extended Temperature Range and Some New Data
pvap	35.51	kPa	313.15	Vapor-Pressure Measurements of Liquid Solutions at Different Temperatures: Apparatus for Use over an Extended Temperature Range and Some New Data
pvap	27.98	kPa	308.15	Vapor-Pressure Measurements of Liquid Solutions at Different Temperatures: Apparatus for Use over an Extended Temperature Range and Some New Data

pvap	21.88	kPa	303.15	Vapor-Pressure Measurements of Liquid Solutions at Different Temperatures: Apparatus for Use over an Extended Temperature Range and Some New Data
pvap	101.30	kPa	337.45	Effect of Ionic Liquids on the Binary Vapor-Liquid Equilibrium of Ethyl Acetate + Methanol System at 101.3 kPa
pvap	16.95	kPa	298.15	Vapor-Pressure Measurements of Liquid Solutions at Different Temperatures: Apparatus for Use over an Extended Temperature Range and Some New Data
pvap	55.57	kPa	323.14	Isothermal Vapor Liquid Equilibrium for Binary 2-Methylpropene - C1-C4 Alcohol-Systems
pvap	480.82	kPa	383.15	Vapor Pressures and Activity Coefficients of Methanol in Binary Mixtures with 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide
pvap	80.97	kPa	332.08	Vapor Liquid Equilibrium for the Trans-2-Butene + Methanol, + Ethanol, + 2-Propanol, + 2-Butanol and + 2-Methyl-2-Propanol Systems at 332 K

pvap	101.30	kPa	337.69	Isobaric Vapor-Liquid Equilibrium for the Binary System of Dimethyl Adipate and 1,6-Hexanediol at 10, 20, and 99 kPa
pvap	101.30	kPa	337.83	Isobaric Vapor-Liquid Equilibrium Measurements and Separation Process for the Quinary Methanol + Methylal + 2-Butanol + 2-(Methoxymethoxy)-butane + (+-)-Di-sec-butoxymethane System
pvap	85.00	kPa	333.15	Experimental Vapor-Liquid Equilibria and Thermodynamic Modeling of the Methanol + n-Heptane and 1-Butanol + Aniline Binary Systems
pvap	44.86	kPa	318.15	Isothermal Vapor-Liquid Equilibria for Binary Mixtures of Methyl Nonafluorobutyl Ether + Acetone, Cyclopentyl Methyl Ether, Ethyl Acetate, n-Heptane, Methanol, and Toluene
pvap	125.65	kPa	343.15	Vapor Liquid Equilibrium and Excess Enthalpy Data for Systems Containing N,N-Dimethylacetamide
pvap	101.32	kPa	337.85	Vapor Liquid Equilibria Measurement of (Methanol + Ethanenitrile + Bis(trifluoromethylsulfonyl) Imide)-Based Ionic Liquids at 101.3 kPa

pvap	101.30	kPa	337.68	Isobaric Vapor - Liquid Equilibrium for Ethyl acetate + Methanol + Ionic Liquids Ternary systems at 101.3 kPa
pvap	101.30	kPa	337.78	A new analysis method for improving collection of vapor-liquid equilibrium (VLE) data of binary mixtures using differential scanning calorimetry (DSC)
pvap	101.30	kPa	337.68	Experimental determination of vapor liquid equilibrium for methanol + methyl propionate + 1-butyl-3-methylimidazo-lium bis(trifluoromethylsulfonyl)imide at atmospheric pressure
pvap	101.30	kPa	337.45	Measurements and correlations of density, viscosity, and vapour-liquid equilibrium for fluoro alcohols
pvap	35.60	kPa	313.15	Measuring the solubility of CO2 and H2S in sulfolane and the density and viscosity of saturated liquid binary mixtures of (sulfolane + CO2) and (sulfolane + H2S)
pvap	27.90	kPa	308.15	Measuring the solubility of CO2 and H2S in sulfolane and the density and viscosity of saturated liquid binary mixtures of (sulfolane + CO2) and (sulfolane + H2S)

pvap	21.90	kPa	303.15	Measuring the solubility of CO2 and H2S in sulfolane and the density and viscosity of saturated liquid binary mixtures of (sulfolane + CO2) and (sulfolane + H2S)
pvap	17.00	kPa	298.15	Measuring the solubility of CO2 and H2S in sulfolane and the density and viscosity of saturated liquid binary mixtures of (sulfolane + CO2) and (sulfolane + H2S)
pvap	66.70	kPa	327.25	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl
pvap	60.00	kPa	324.65	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl
pvap	53.30	kPa	322.05	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl

pvap	46.70	kPa	319.05	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl
pvap	40.00	kPa	315.75	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl
pvap	101.33	kPa	337.68	Determination of Ternary Vapor-Liquid Equilibrium of Dimethyl Oxalate-Methanol-1,2-Butanediol under Atmosphere Pressure
pvap	26.70	kPa	307.35	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl
pvap	20.00	kPa	301.45	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl

pvap	13.30	kPa	293.75	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl
pvap	6.70	kPa	282.55	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl
pvap	55.78	kPa	323.15	Thermodynamic properties of binary mixtures combining two pyridinium-based ionic liquids and two alkanols
pvap	21.93	kPa	303.15	Thermodynamic properties of binary mixtures combining two pyridinium-based ionic liquids and two alkanols
pvap	55.78	kPa	323.15	Thermodynamic study of binary mixtures containing 1-butylpyridinium tetrafluoroborate and methanol, or ethanol
pvap	21.93	kPa	303.15	Thermodynamic study of binary mixtures containing 1-butylpyridinium tetrafluoroborate and methanol, or ethanol

pvap	55.58	kPa	323.15	Vapor pressure of heat transfer fluids of absorption refrigeration machines and heat pumps: Binary solutions of lithium nitrate with methanol	
pvap	44.54	kPa	318.15	Vapor pressure of heat transfer fluids of absorption refrigeration machines and heat pumps: Binary solutions of lithium nitrate with methanol	
pvap	35.44	kPa	313.15	Vapor pressure of heat transfer fluids of absorption refrigeration machines and heat pumps: Binary solutions of lithium nitrate with methanol	
pvap	27.96	kPa	308.15	Vapor pressure of heat transfer fluids of absorption refrigeration machines and heat pumps: Binary solutions of lithium nitrate with methanol	
pvap	21.88	kPa	303.15	Vapor pressure of heat transfer fluids of absorption refrigeration machines and heat pumps: Binary solutions of lithium nitrate with methanol	
pvap	16.97	kPa	298.15	Vapor pressure of heat transfer fluids of absorption refrigeration machines and heat pumps: Binary solutions of lithium nitrate with methanol	

pvap	101.30	kPa	337.65	Isobaric vapor-liquid equilibrium for acetone + methanol system containing different ionic liquids at 101.3 kPa
pvap	101.30	kPa	337.85	Measurement and correlation of isobaric vapor-liquid equilibria of methanol + tetrahydrofuran + 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide at 101.3 kPa
pvap	352.70	kPa	373.15	Measurement, correlation and prediction of isothermal vapor liquid equilibria of different systems containing vegetable oils
pvap	150.67	kPa	348.15	Measurement, correlation and prediction of isothermal vapor liquid equilibria of different systems containing vegetable oils
pvap	352.62	kPa	373.15	Measurement, correlation and prediction of isothermal vapor liquid equilibria of different systems containing vegetable oils
pvap	150.69	kPa	348.15	Measurement, correlation and prediction of isothermal vapor liquid equilibria of different systems containing vegetable oils
pvap	352.64	kPa	373.15	Measurement, correlation and prediction of isothermal vapor liquid equilibria of different systems containing vegetable oils

pvap	150.71	kPa	348.15	Measurement, correlation and prediction of isothermal vapor liquid equilibria of different systems containing vegetable oils
pvap	268.10	kPa	364.50	Vapour liquid equilibrium for the systems butane + methanol, +2-propanol, +1-butanol, +2-butanol, +2-methyl-2-propanol at 364.5K
pvap	134.07	kPa	345.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	119.61	kPa	342.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	106.47	kPa	339.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	94.55	kPa	336.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	83.76	kPa	333.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	74.02	kPa	330.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	65.25	kPa	327.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa

pvap	57.36	kPa	324.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	50.29	kPa	321.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	43.97	kPa	318.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	38.33	kPa	315.00	Isobaric vapor liquid equilibria for acetone + methanol + lithium nitrate at 100 kPa
pvap	55.58	kPa	323.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide
pvap	44.54	kPa	318.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide

pvap	35.45	kPa	313.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide
pvap	35.44	kPa	313.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide
pvap	27.96	kPa	308.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide
pvap	27.96	kPa	308.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide

pvap	21.88	kPa	303.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide
pvap	21.88	kPa	303.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide
pvap	16.96	kPa	298.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide
pvap	16.97	kPa	298.15	Thermodynamic properties of mixtures containing ionic liquids Vapor pressures and activity coefficients of n-alcohols and benzene in binary mixtures with 1-methyl-3-butyl-imidazolium bis(trifluoromethyl-sulfonyl) imide

pvap	1565.62	kPa	428.15	Measurements of isothermal vapor-liquid equilibrium of binary methanol/dimethyl carbonate system under pressure
pvap	1042.57	kPa	411.15	Measurements of isothermal vapor-liquid equilibrium of binary methanol/dimethyl carbonate system under pressure
pvap	604.68	kPa	391.15	Measurements of isothermal vapor-liquid equilibrium of binary methanol/dimethyl carbonate system under pressure
pvap	400.41	kPa	377.15	Measurements of isothermal vapor-liquid equilibrium of binary methanol/dimethyl carbonate system under pressure
pvap	99.91	kPa	337.35	Measurements of isothermal vapor-liquid equilibrium of binary methanol/dimethyl carbonate system under pressure
pvap	35.27	kPa	313.07	Vapour liquid equilibrium for the 2-methylpropane + methanol, +ethanol, +2-propanol, +2-butanol and +2-methyl-2-propanol systems at 313.15K

pvap	33.30	kPa	311.85	Thermophysical properties of biodiesel and related systems. Part I. Vapour liquid equilibrium at low pressures of binary and ternary systems involving methanol, ethanol, glycerol, water and NaCl
pvap	55.61	kPa	323.15	Isothermal vapour liquid equilibrium with chemical reaction in the quaternary water + methanol + acetic acid + methyl acetate system, and in five binary subsystems
rfi	1.32870		293.15	A novel static analytical apparatus for phase equilibrium measurements
rfi	1.32880		298.15	Investigation on vapor liquid equilibrium for 2-propanol + 1-butanol + 1-pentanol at 101.3 kPa
rfi	1.32640		298.15	Excess molar volumes and excess molar enthalpies in binary systems N-alkyl-triethylammonium bis(trifluoromethylsulfonyl)imide +methanol
rfi	1.32930		293.15	Liquid-liquid equilibria of water + solutes (acetic acid/ acetol/furfural/guaiacol/methanol/phenol/propanal) + solvents (isopropyl acetate/toluene) ternary systems for pyrolysis oil fractionation
rfi	1.32640		298.15	(Liquid + liquid) equilibrium of (dibutyl ether + methanol + water) at different temperatures

rfi	1.32620	298.15	Experimental and predicted volumetric and refractive index properties of ternary mixtures of iodoethane with toluene and alcohols at temperature 298.15 K and pressure 101 kPa
rfi	1.32650	298.15	Excess molar volumes and partial molar volumes for (propionitrile + an alkanol) at T = 298.15 K and p = 0.1 MPa
rfi	1.32650	298.15	(Vapor + liquid) equilibria of the binary mixtures of m-cresol with C1 C4 aliphatic alcohols at 95.5 kPa
rfi	1.32880	293.15	Study of activity coefficients for sodium iodide in (methanol + benzene) system by (vapour + liquid) equilibrium measurements
rfi	1.32645	298.15	Excess volumes of mixing in (N,N-dimethylacetamide + methanol + water) and (N,N-dimethylacetamide + ethanol + water) at the temperature 313.15 K
rfi	1.32800	293.15	Experimental (vapour + liquid) equilibrium data of (methanol + water), (water + glycerol) and (methanol + glycerol) systems at atmospheric and sub-atmospheric pressures

rfi	1.32900	298.15	Volumetric properties, viscosity and refractive index of the protic ionic liquid, pyrrolidinium octanoate, in molecular solvents
rfi	1.32570	298.15	Application of the ERAS model to volumetric properties of binary mixtures of banana oil with primary and secondary alcohols (C1- C4) at different temperatures
rfi	1.32648	298.15	Effect of the temperature on the physical properties of pure 1-propyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide and characterization of its binary mixtures with alcohols
rfi	1.32550	303.15	Experimental study on the calorimetric data of cyclohexanol with alkanols (C1-C4) and correlation with Wilson, NRTL and UNIQUAC models at 300 K
rfi	1.32720	298.15	Densities, speeds of sound, and refractive indices for binary mixtures of 1-butyl-3-methylimidazolium methyl sulphate ionic liquid with alcohols at T = (298.15, 303.15, 308.15, and 313.15) K

rfi	1.32552	303.15	Densities, speeds of sound, and refractive indices for binary mixtures of 1-butyl-3-methylimidazolium methyl sulphate ionic liquid with alcohols at T = (298.15, 303.15, 308.15, and 313.15) K
rfi	1.32620	298.15	Liquid liquid equlibria of the system dimethyl carbonate + methanol +water at different temperatures
rfi	1.32171	313.15	Densities, speeds of sound, and refractive indices for binary mixtures of 1-butyl-3-methylimidazolium methyl sulphate ionic liquid with alcohols at T = (298.15, 303.15, 308.15, and 313.15) K
rfi	1.32640	298.15	Properties of pure n-butylammonium nitrate ionic liquid and its binary mixtures of with alcohols at T = (293.15 to 313.15) K
rfi	1.32649	298.15	Effect of the temperature on the physical properties of the pure ionic liquid 1-ethyl-3-methylimidazolium methylsulfate and characterization of its binary mixtures with alcohols

rfi	1.32610	298.15	Mixing thermodynamic properties of ester-containing solutions: A study on the ternary (methyl alkanoate (pentanoate and methanoate) + methanol) and the corresponding binaries. New contributions to the (ester + ester) interactions
rfi	1.32858	293.15	Synergistic effect of salts and methanol in thermodynamic inhibition of sII gas hydrates
rfi	1.32640	298.10	PHYSICAL AND EXCESS PROPERTIES OF BINARY AND TERNARY MIXTURES OF 1,1-DIMETHYLETHOXY-BUTANE, METHANOL, ETHANOL AND WATER AT 298.15K.
rfi	1.32843	293.15	Refractive properties of binary mixtures containing pyridinium-basedionic liquids and alkanols
rfi	1.32433	303.15	Refractive properties of binary mixtures containing pyridinium-basedionic liquids and alkanols
rfi	1.32015	313.15	Refractive properties of binary mixtures containing pyridinium-basedionic liquids and alkanols
rfi	1.31670	323.15	Refractive properties of binary mixtures containing pyridinium-basedionic liquids and alkanols

rfi	1.32850	293.15	Vapor-liquid equilibria, density and sound velocity measurements of (water or methanol or ethanol + 1,3-propanediol) binary systems at different temperatures
rfi	1.32655	298.15	Sucrose Solubility in Binary Liquid Mixtures Formed by Water Methanol, Water Ethanol, and Methanol Ethanol at 303 and 313 K
rfi	1.32860	293.15	Isobaric Vapor Liquid Equilibrium for Nine Binary Systems of Cracking C5 Fraction at 250 kPa
rfi	1.32900	293.20	Isobaric Vapor Liquid Equilibria for Binary Mixtures of .gamma.-Valerolactone + Methanol, Ethanol, and 2-Propanol
rfi	1.32680	298.20	Isobaric Vapor Liquid Equilibria for Binary Mixtures of .gamma.-Valerolactone + Methanol, Ethanol, and 2-Propanol
rfi	1.32850	293.15	Measurement and Correlation of Phase Equilibria for Isobutyl Acetate + {Ethanol or Methanol} + Water at 303.15 and 323.15 K
rfi	1.32750	298.15	Isobaric Vapor-Liquid Equilibria of Binary Mixtures of Diethyl Carbonate with Methyl Acetate, n-Propyl Acetate, or Amyl Acetate at 100.17 kPa

rfi	1.33030	288.15	Excess Molar Volumes, Viscosities, and Refractive Indexes for Binary Mixtures of 1-Chlorobutane with Four Alcohols at T = (288.15, 298.15 and 308.15) K
rfi	1.32750	298.15	Excess Molar Volumes, Viscosities, and Refractive Indexes for Binary Mixtures of 1-Chlorobutane with Four Alcohols at T = (288.15, 298.15 and 308.15) K
rfi	1.32540	308.15	Excess Molar Volumes, Viscosities, and Refractive Indexes for Binary Mixtures of 1-Chlorobutane with Four Alcohols at T = (288.15, 298.15 and 308.15) K
rfi	1.32890	293.00	Liquid-Liquid Equilibria for the Epichlorohydrin + Water + Methanol and Allyl Chloride + Water + Methanol Systems
rfi	1.32634	298.15	Density, Refractive Index, Speed of Sound, and Vapor-Liquid Equilibria for Binary Mixtures of Methanol + Vinyl Propionate and Vinyl Acetate + Vinyl Propionate. Vapor Pressures of Vinyl Propionate

rfi	1.32890	293.15	Isothermal and Isobaric Vapor-Liquid Equilibria of the Ternary System of 2,2-Dimethoxypropane + Acetone + Methanol
rfi	1.32667	298.15	Density, Refractive Index, Speed of Sound at 298.15 K, and Vapor-Liquid Equilibria at 101.3 kPa for Binary Mixtures of Methanol + 2-Methyl-1-butanol and Ethanol + 2-Methyl-1-butanol
rfi	1.32700	298.15	Excess Molar Enthalpies of 1,2-Propanediol + Alkan-1-ols (C1-C6) and Their Correlations at 298.15 K and Ambient Pressure (81.5 kPa)
rfi	1.32687	298.15	Physical Properties of Binary Mixtures of the Ionic Liquid 1-Methyl-3-octylimidazolium Chloride with Methanol, Ethanol, and 1-Propanol at T = (298.15, 313.15, and 328.15) K and at P) 0.1 MPa
rfi	1.32660	298.15	Effect of Pressure on the Static Relative Permittivities of Alkan-1-ols at 298.15 K
rfi	1.32610	298.15	Vapor-Liquid Equilibria Data for Methanol + 2-Propanol+ 2-Methyl-2-butanol and Constituent Binary Systems at 101.3 kPa

rfi	1.32630	298.15	Isobaric Vapor-Liquid Equilibria for Binary and Ternary Mixtures of Methanol, Ethanoic Acid, and Propanoic Acid
rfi	1.32660	298.15	Excess Molar Enthalpies of Benzyl Alcohol + Alkanols (C1-C6) and Their Correlations at 298.15 K and Ambient Pressure
rfi	1.33010	293.15	Solubilities of Phosphorus-Containing Compounds in Selected Solvents
rfi	1.32700	298.15	Vapor-Liquid Equilibria for Ethyl Acetate + Methanol at (0.1, 0.5, and 0.7) MPa. Measurements with a New Ebulliometer
rfi	1.32640	298.15	Excess Molar Enthalpies of 2-Methyl-2-butanol (1) + 1-Alkanols (C1-C5) (2) at 298.15 K
rfi	1.32853	293.10	Vapor-Liquid Equilibrium for Methoxymethane + Methyl Formate, Methoxymethane + Hexane, and Methyl Formate + Methanol
rfi	1.32862	293.15	Liquid Liquid Equilibria of Methanol, Ethanol, and Propan-2-ol with Water and Dodecane

rfi	1.32650	298.15	Density, Viscosity, and Refractive Index Properties for the Binary Mixtures of n-Butylammonium Acetate Ionic Liquid + Alkanols at Several Temperatures
rfi	1.32860	293.15	Liquid liquid equilibrium for the ternary systems of water + methanol + acrylonitrile
rfi	1.32850	293.15	Isobaric Vapor Liquid Equilibrium Data of 2-Methyl-propan-2-ol (1) + Heptan-1-ol (2), Methanol (1) + Heptan-1-ol (2), Ethanol (1) + Heptan-1-ol (2), and Propan-1-ol (1) + Heptan-1-ol (2) at 96.5 kPa
rfi	1.32870	293.15	Isothermal Vapor Liquid Equilibrium Data for the Butan-2-one + Methanol or Ethanol Systems Using a Static-Analytic Microcell
rfi	1.32687	298.15	Physical Properties of Binary Mixtures of the Ionic Liquid 1-Ethyl-3-methylimidazolium Ethyl Sulfate with Several Alcohols at T = (298.15, 313.15, and 328.15) K and Atmospheric Pressure
rfi	1.32700	298.15	Temperature Dependence of the Volumetric Properties of Binary and Ternary Mixtures of Water (1) + Methanol (2) + Ethanol (3) at Ambient Pressure (81.5 kPa)

rfi	1.32690	298.15	Viscosity, Density, Speed of Sound, and Refractive Index of Binary Mixtures of Organic Solvent + Ionic Liquid, 1-Butyl-3-methylimidazolium Hexafluorophosphate at 298.15 K
rfi	1.32670	298.15	Binary LLE for Propyl Vinyl Ether (PVE) + Water, Ternary LLE for PVE + Methanol or Ethanol + Water at 298.15 K, and VE and centsR at 293.15 K for the Mixture of PVE + Ethanol + 2,2,4-Trimethylpentane
rfi	1.32870	293.15	Solubilities of 2-(6-Oxido-6H-dibenz[c,e][1,2]oxaphosphorin-6-yl)-1,4-dihydroxy Phenylene in the Selected Solvents
rfi	1.32910	293.15	Measurement and Correlation of the Solubilities of m-Phthalic Acid in Monobasic Alcohols
rfi	1.32700	298.15	Densities, Excess Molar Volumes, Viscosity, and Refractive Indices of Binary and Ternary Liquid Mixtures of Methanol (1) + Ethanol (2) + 1,2-Propanediol (3) at P = 81.5 kPa
rfi	1.33010	293.15	Solubilities of 3,9-Dimethyl-3,9-dioxide-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5.5]undec in Selected Solvents
rfi	1.33010	293.15	Solubilities of (2,5-Dihydroxyphenyl)diphenyl Phosphine Oxide in Selected Solvents

rfi	1.32668		298.15	Isothermal Vapor-Liquid Equilibrium Data at T = 333.15 K and Excess Molar Volumes and Refractive Indices at T = 298.15 K for the Dimethyl Carbonate + Methanol and Isopropanol + Water with Ionic Liquids
rfi	1.32650		298.15	Activity coefficients of the binary mixtures of a-cresol or p-cresol with C l-C4 aliphatic alcohols near ambient pressure
rfi	1.32640		298.15	Effect of anion fluorination in 1-ethyl-3-methylimidazolium as solvent for the liquid extraction of ethanol from ethyl tert-butyl ether
rfi	1.32362		308.15	Densities, speeds of sound, and refractive indices for binary mixtures of 1-butyl-3-methylimidazolium methyl sulphate ionic liquid with alcohols at T = (298.15, 303.15, 308.15, and 313.15) K
rhol	786.56	kg/m3	298.15	Excess molar volumes of binary mixtures of 1,3-dimethylimidazolidin-2-one with an alkan-1-ol at the temperatures 283.15 K, 298.15 K, and 313.15 K
rhol	781.91	kg/m3	303.15	Thermodynamic and spectroscopic properties of binary mixtures of n-butylammonium butanoate ionic liquid with alcohols at T = (293.15-313.15) K

rhol	777.16	kg/m3	308.15	Thermodynamic and spectroscopic properties of binary mixtures of n-butylammonium butanoate ionic liquid with alcohols at T = (293.15-313.15) K
rhol	772.38	kg/m3	313.15	Thermodynamic and spectroscopic properties of binary mixtures of n-butylammonium butanoate ionic liquid with alcohols at T = (293.15-313.15) K
rhol	786.50	kg/m3	298.15	Fully automatized apparatus for determining speed of sound for liquids in the temperature and pressure interval (283.15-343.15) K and (0.1-95) MPa
rhol	793.60	kg/m3	293.15	Investigation on molecular interactions of antibiotics in alcohols using volumetric and acoustic studies at different temperatures
rhol	789.27	kg/m3	298.15	Investigation on molecular interactions of antibiotics in alcohols using volumetric and acoustic studies at different temperatures
rhol	784.59	kg/m3	303.15	Investigation on molecular interactions of antibiotics in alcohols using volumetric and acoustic studies at different temperatures

rhol	777.87	kg/m3	308.15	Investigation on molecular interactions of antibiotics in alcohols using volumetric and acoustic studies at different temperatures
rhol	772.44	kg/m3	313.15	Investigation on molecular interactions of antibiotics in alcohols using volumetric and acoustic studies at different temperatures
rhol	805.10	kg/m3	278.15	Thermophysical properties of binary mixtures of 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid with alcohols at several temperatures
rhol	795.70	kg/m3	288.15	Thermophysical properties of binary mixtures of 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid with alcohols at several temperatures
rhol	786.30	kg/m3	298.15	Thermophysical properties of binary mixtures of 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid with alcohols at several temperatures
rhol	776.90	kg/m3	308.15	Thermophysical properties of binary mixtures of 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid with alcohols at several temperatures

rhol	767.40	kg/m3	318.15	Thermophysical properties of binary mixtures of 1-butyl-1-methylpyrrolidinium trifluoromethanesulfonate ionic liquid with alcohols at several temperatures
rhol	792.60	kg/m3	293.15	Densities and volumetric properties of (choline chloride+urea) deep eutectic solvent and methanol mixtures in the temperature range of 293.15-323.15 K
rhol	783.00	kg/m3	303.15	Densities and volumetric properties of (choline chloride+urea) deep eutectic solvent and methanol mixtures in the temperature range of 293.15-323.15 K
rhol	773.50	kg/m3	313.15	Densities and volumetric properties of (choline chloride+urea) deep eutectic solvent and methanol mixtures in the temperature range of 293.15-323.15 K
rhol	764.00	kg/m3	323.15	Densities and volumetric properties of (choline chloride+urea) deep eutectic solvent and methanol mixtures in the temperature range of 293.15-323.15 K

rhol	791.41	kg/m3	293.15	Electrostriction of water and lower alcohols around ammonium nitrate - Volumetric approach	
rhol	786.65	kg/m3	298.15	Electrostriction of water and lower alcohols around ammonium nitrate - Volumetric approach	
rhol	781.85	kg/m3	303.15	Electrostriction of water and lower alcohols around ammonium nitrate - Volumetric approach	
rhol	776.95	kg/m3	308.15	Electrostriction of water and lower alcohols around ammonium nitrate - Volumetric approach	
rhol	771.97	kg/m3	313.15	Electrostriction of water and lower alcohols around ammonium nitrate - Volumetric approach	
rhol	796.13	kg/m3	288.15	Mass density, sound velocity, mixing enthalpy, 1H NMR, Ab initio calculations and intermolecular interactions in binary mixtures of N-methylimidazole + water, +methanol, +ethanol, +1-propanol, +2-propanol	

rhol	786.75	kg/m3	298.15	Mass density, sound velocity, mixing enthalpy, 1H NMR, Ab initio calculations and intermolecular interactions in binary mixtures of N-methylimidazole + water, +methanol, +ethanol, +1-propanol, +2-propanol	
rhol	777.29	kg/m3	308.15	Mass density, sound velocity, mixing enthalpy, 1H NMR, Ab initio calculations and intermolecular interactions in binary mixtures of N-methylimidazole + water, +methanol, +ethanol, +1-propanol, +2-propanol	
rhol	767.71	kg/m3	318.15	Mass density, sound velocity, mixing enthalpy, 1H NMR, Ab initio calculations and intermolecular interactions in binary mixtures of N-methylimidazole + water, +methanol, +ethanol, +1-propanol, +2-propanol	
rhol	757.97	kg/m3	328.15	Mass density, sound velocity, mixing enthalpy, 1H NMR, Ab initio calculations and intermolecular interactions in binary mixtures of N-methylimidazole + water, +methanol, +ethanol, +1-propanol, +2-propanol	

rhol	791.90	kg/m3	293.15	Effect of 1-ethyl-3-methylimidazolium tetrafluoroborate on the phase equilibria for systems containing 5-hydroxymethylfurfural, water, organic solvent in the absence and presence of sodium chloride
rhol	796.04	kg/m3	288.15	The molar surface quasi-Gibbs energy and its application to the binary mixtures of 1-(2-methoxyethyl)-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]imide [MOEMIM][NTf2] with methanol and ethanol
rhol	791.35	kg/m3	293.15	The molar surface quasi-Gibbs energy and its application to the binary mixtures of 1-(2-methoxyethyl)-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]imide [MOEMIM][NTf2] with methanol and ethanol
rhol	786.64	kg/m3	298.15	The molar surface quasi-Gibbs energy and its application to the binary mixtures of 1-(2-methoxyethyl)-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]imide [MOEMIM][NTf2] with methanol and ethanol
rhol	781.91	kg/m3	303.15	The molar surface quasi-Gibbs energy and its application to the binary mixtures of 1-(2-methoxyethyl)-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]imide [MOEMIM][NTf2] with methanol and ethanol

rhol	777.16	kg/m3	308.15	The molar surface quasi-Gibbs energy and its application to the binary mixtures of 1-(2-methoxyethyl)-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]imide [MOEMIM][NTf2] with methanol and ethanol
rhol	772.38	kg/m3	313.15	The molar surface quasi-Gibbs energy and its application to the binary mixtures of 1-(2-methoxyethyl)-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]imide [MOEMIM][NTf2] with methanol and ethanol
rhol	767.57	kg/m3	318.15	The molar surface quasi-Gibbs energy and its application to the binary mixtures of 1-(2-methoxyethyl)-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]imide [MOEMIM][NTf2] with methanol and ethanol
rhol	781.81	kg/m3	303.15	Vapor-liquid equilibrium and excess properties of the binary mixtures formed by ethyl isobutyrate and n-alkanols
rhol	762.61	kg/m3	323.15	Vapor-liquid equilibrium and excess properties of the binary mixtures formed by ethyl isobutyrate and n-alkanols
rhol	786.50	kg/m3	298.15	Excess molar enthalpies of methyl isobutyl ketone (MIBK) with alkan-1-ols (C1-C6) and their correlations at 298.15 K

rhol	800.67	kg/m3	283.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	795.99	kg/m3	288.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	791.29	kg/m3	293.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	786.58	kg/m3	298.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	781.86	kg/m3	303.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	777.10	kg/m3	308.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	772.32	kg/m3	313.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K

rhol	767.52	kg/m3	318.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	762.67	kg/m3	323.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	757.77	kg/m3	328.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	752.83	kg/m3	333.15	Volumetric properties of the monoethanolamine methanol mixture at atmospheric pressure from 283.15 to 353.15K
rhol	781.81	kg/m3	303.15	Excess molar enthalpies and heat capacities of dimethyl sulfoxide + seven normal alkanols at 303.15K and atmospheric pressure
rhol	786.30	kg/m3	298.15	Thermodynamic properties of binary mixtures of 2.2.2-Trifluoroethanol with Water or Alkanols at T=298.15 K
rhol	791.72	kg/m3	293.15	Excess molar volumes of Diisopropylamine + (C1-C5) Alkan-1-ols: application of the ERAS model and cubic EOS

rhol	787.35	kg/m3	298.15	Excess molar volumes of Diisopropylamine + (C1-C5) Alkan-1-ols: application of the ERAS model and cubic EOS	
rhol	782.24	kg/m3	303.15	Excess molar volumes of Diisopropylamine + (C1-C5) Alkan-1-ols: application of the ERAS model and cubic EOS	
rhol	772.73	kg/m3	313.15	Excess molar volumes of Diisopropylamine + (C1-C5) Alkan-1-ols: application of the ERAS model and cubic EOS	
rhol	801.44	kg/m3	283.15	Densities and Excess Molar Volumes for Binary Mixtures of Diethanolamine with Water, Methanol, Ethanol and Ternary Solutions of Diethanolamine + Water with Methanol, Ethanol at Atmospheric Pressure from 278.15 to 353.15 K	
rhol	792.07	kg/m3	293.15	Densities and Excess Molar Volumes for Binary Mixtures of Diethanolamine with Water, Methanol, Ethanol and Ternary Solutions of Diethanolamine + Water with Methanol, Ethanol at Atmospheric Pressure from 278.15 to 353.15 K	

rhol	782.61	kg/m3	303.15	Densities and Excess Molar Volumes for Binary Mixtures of Diethanolamine with Water, Methanol, Ethanol and Ternary Solutions of Diethanolamine + Water with Methanol, Ethanol at Atmospheric Pressure from 278.15 to 353.15 K
rhol	773.05	kg/m3	313.15	Densities and Excess Molar Volumes for Binary Mixtures of Diethanolamine with Water, Methanol, Ethanol and Ternary Solutions of Diethanolamine + Water with Methanol, Ethanol at Atmospheric Pressure from 278.15 to 353.15 K
rhol	763.36	kg/m3	323.15	Densities and Excess Molar Volumes for Binary Mixtures of Diethanolamine with Water, Methanol, Ethanol and Ternary Solutions of Diethanolamine + Water with Methanol, Ethanol at Atmospheric Pressure from 278.15 to 353.15 K

rhol	753.51	kg/m3	333.15	Densities and Excess Molar Volumes for Binary Mixtures of Diethanolamine with Water, Methanol, Ethanol and Ternary Solutions of Diethanolamine + Water with Methanol, Ethanol at Atmospheric Pressure from 278.15 to 353.15 K
rhol	786.74	kg/m3	298.15	Study of intermolecular interactions in binary mixtures of 2-(dimethylamino)ethanol with methanol and ethanol at various temperatures
rhol	777.45	kg/m3	308.15	Study of intermolecular interactions in binary mixtures of 2-(dimethylamino)ethanol with methanol and ethanol at various temperatures
rhol	768.01	kg/m3	318.15	Study of intermolecular interactions in binary mixtures of 2-(dimethylamino)ethanol with methanol and ethanol at various temperatures
rhol	787.52	kg/m3	298.15	Modified Method for Measuring the Solubility of Pharmaceutical Compounds in Organic Solvents by Visual Camera

rhol	791.33	kg/m3	293.15	Density and Viscosity for Binary Mixtures of the Ionic Liquid 2,2-Diethyl-1,1,3,3-Tetramethylguanidinium Ethyl Sulfate with Water, Methanol, or Ethanol
rhol	786.62	kg/m3	298.15	Density and Viscosity for Binary Mixtures of the Ionic Liquid 2,2-Diethyl-1,1,3,3-Tetramethylguanidinium Ethyl Sulfate with Water, Methanol, or Ethanol
rhol	781.89	kg/m3	303.15	Density and Viscosity for Binary Mixtures of the Ionic Liquid 2,2-Diethyl-1,1,3,3-Tetramethylguanidinium Ethyl Sulfate with Water, Methanol, or Ethanol
rhol	777.14	kg/m3	308.15	Density and Viscosity for Binary Mixtures of the Ionic Liquid 2,2-Diethyl-1,1,3,3-Tetramethylguanidinium Ethyl Sulfate with Water, Methanol, or Ethanol
rhol	772.37	kg/m3	313.15	Density and Viscosity for Binary Mixtures of the Ionic Liquid 2,2-Diethyl-1,1,3,3-Tetramethylguanidinium Ethyl Sulfate with Water, Methanol, or Ethanol
rhol	767.56	kg/m3	318.15	Density and Viscosity for Binary Mixtures of the Ionic Liquid 2,2-Diethyl-1,1,3,3-Tetramethylguanidinium Ethyl Sulfate with Water, Methanol, or Ethanol
rhol	762.72	kg/m3	323.15	Density and Viscosity for Binary Mixtures of the Ionic Liquid 2,2-Diethyl-1,1,3,3-Tetramethylguanidinium Ethyl Sulfate with Water, Methanol, or Ethanol

rhol	791.34	kg/m3	293.15	Density and Excess Molar Volumes of 1-Butanol + Methanol + Electrolyte Systems in the Temperature Range (293.15 308.15) K
rhol	786.68	kg/m3	298.15	Density and Excess Molar Volumes of 1-Butanol + Methanol + Electrolyte Systems in the Temperature Range (293.15 308.15) K
rhol	781.96	kg/m3	303.15	Density and Excess Molar Volumes of 1-Butanol + Methanol + Electrolyte Systems in the Temperature Range (293.15 308.15) K
rhol	777.21	kg/m3	308.15	Density and Excess Molar Volumes of 1-Butanol + Methanol + Electrolyte Systems in the Temperature Range (293.15 308.15) K
rhol	791.00	kg/m3	298.15	Tie-Line Data for Aqueous Mixtures of Butyric Acid with Diisopropyl Ether at Various Temperatures
rhol	786.61	kg/m3	298.15	Exploration of Solvation Consequence of Ionic Liquid [Bu4PCH3SO3] in Various Solvent Systems by Conductance and FTIR Study
rhol	786.60	kg/m3	298.15	Thermodynamics of 1,3-dimethylurea in eight alcohols

rhol	800.71	kg/m3	283.15	Density, Speed of Sound, Refractive Index, and Viscosity of the Binary Mixtures of N,N-dimethylacetamide with Methanol and Ethanol
rhol	786.61	kg/m3	298.15	Density, Speed of Sound, Refractive Index, and Viscosity of the Binary Mixtures of N,N-dimethylacetamide with Methanol and Ethanol
rhol	772.31	kg/m3	313.15	Density, Speed of Sound, Refractive Index, and Viscosity of the Binary Mixtures of N,N-dimethylacetamide with Methanol and Ethanol
rhol	792.20	kg/m3	293.15	Isobaric Vapor Liquid Equilibrium for Binary Systems of Allyl Alcohol with Water, Methanol, and Ethanol at 101.3 kPa
rhol	786.10	kg/m3	298.15	Liquid Liquid Equilibria for the Ternary System n-Butyl Acetate + Pyrocatechol + Water at Different Temperatures at 101.3 kPa
rhol	786.61	kg/m3	298.15	Isobaric Vapor Liquid Equilibrium for Two Binary Systems (Methanol + Dibutyl Carbonate) and (n-Butanol + Dibutyl Carbonate) at p = 40.0, 70.0, and 100.0 kPa

rhol	786.59	kg/m3	298.15	Isobaric Vapor Liquid Equilibria for Two Binary Systems {Propylene Glycol Methyl Ether Acetate + Methanol} and {Propylene Glycol Methyl Ether Acetate + N,N-Dimethylformamide} at p = 30.0, 50.0, and 70.0 kPa
rhol	781.81	kg/m3	303.15	Isobaric Vapor Liquid Equilibrium for the Binary Systems Dimethyl Disulfide + C1 C4 n-Alkanol at 40.000 and 101.325 kPa
rhol	786.56	kg/m3	298.15	Separation Effects of Renewable Solvent Ethyl Lactate on the Vapor Liquid Equilibria of the Methanol + Dimethyl Carbonate Azeotropic System
rhol	791.81	kg/m3	298.15	Liquid-Liquid Equilibrium for Ternary Systems, Water + 5-Hydroxymethylfurfural + (1-Butanol, Isobutanol, Methyl Isobutyl Ketone), at 313.15, 323.15, and 333.15 K
rhol	791.34	kg/m3	293.15	A Volumetric and Viscosity Study for the Binary Mixtures of Ammonium-Based Asymmetrical Gemini Ionic Liquids with Alcohols at T = 293.15-333.15 K

rhol	781.90	kg/m3	303.15	A Volumetric and Viscosity Study for the Binary Mixtures of Ammonium-Based Asymmetrical Gemini Ionic Liquids with Alcohols at T = 293.15-333.15 K	
rhol	772.36	kg/m3	313.15	A Volumetric and Viscosity Study for the Binary Mixtures of Ammonium-Based Asymmetrical Gemini Ionic Liquids with Alcohols at T = 293.15-333.15 K	
rhol	762.70	kg/m3	323.15	A Volumetric and Viscosity Study for the Binary Mixtures of Ammonium-Based Asymmetrical Gemini Ionic Liquids with Alcohols at T = 293.15-333.15 K	
rhol	752.86	kg/m3	333.15	A Volumetric and Viscosity Study for the Binary Mixtures of Ammonium-Based Asymmetrical Gemini Ionic Liquids with Alcohols at T = 293.15-333.15 K	
rhol	786.70	kg/m3	298.15	Liquid-Liquid Equilibrium Data for Ternary Systems Containing Alkanes (n-Pentane, n-Hexane, n-Heptane, and n-Octane) + Alcohol (Methanol and Ethanol) + Protic Ionic Liquid (2-HEAF)	

rhol	786.55	kg/m3	298.15	Liquid-Liquid Equilibrium and Excess Enthalpies in Binary Systems Methylcyclohexane + Methanol and Methylcyclohexane + N,N-Dimethylformamide
rhol	786.27	kg/m3	298.20	Ternary Liquid-Liquid Equilibria for Mixtures of 1-Methyl-3-octylimidazolium Chloride + an Alkanol + an Alkane at 298.2 K and 1 bar
rhol	781.91	kg/m3	303.15	Densities, Viscosities, and Surface and Interfacial Tensions of the Ternary Mixture Water + Ethyl Butyrate + Methanol at 303.15 K.
rhol	786.60	kg/m3	298.15	Dynamic Viscosities of Diethyl Carbonate with Linear and Secondary Alcohols at Several Temperatures
rhol	786.58	kg/m3	298.15	Volumetric Properties of Water + Monoethanolamine + Methanol Mixtures at Atmospheric Pressure from 283.15 to 353.15 K
rhol	800.00	kg/m3	273.00	Saturation Composition and Density Data for the Sodium Sulfate + Sulfuric Acid + Methanol System
rhol	787.00	kg/m3	298.00	Saturation Composition and Density Data for the Sodium Sulfate + Sulfuric Acid + Methanol System

rhol	786.00	kg/m3	303.00	Saturation Composition and Density Data for the Sodium Sulfate + Sulfuric Acid + Methanol System
rhol	779.00	kg/m3	313.00	Saturation Composition and Density Data for the Sodium Sulfate + Sulfuric Acid + Methanol System
rhol	768.00	kg/m3	323.00	Saturation Composition and Density Data for the Sodium Sulfate + Sulfuric Acid + Methanol System
rhol	786.20	kg/m3	298.15	Dynamic Viscosities of KI or NH4I in Methanol and NH4I in Ethanol at Several Temperatures and 0.1 MPa
rhol	786.80	kg/m3	298.15	Vapor-Liquid Equilibria for the Ternary Systems of Methyl tert-Butyl Ether + Methanol + Methylcyclohexane and Methyl tert-Butyl Ether + Methanol + n-Heptane and Constituent Binary Systems at 313.15 K
rhol	786.62	kg/m3	298.15	Mutual Solubilities of Terpene in Methanol and Water and Their Multicomponent Liquid-Liquid Equilibria
rhol	786.67	kg/m3	298.15	Ebulliometric Determination of Vapor-Liquid Equilibria for Methanol + Ethanol + Dimethyl Carbonate

rhol	786.59	kg/m3	298.15	Vapor Pressure Measurement and Prediction for Ethanol + Methanol and Ethanol + Water Systems Containing Ionic Liquids
rhol	786.46	kg/m3	298.15	Measurement and Modeling of Phase Equilibria for Ethanol + Water + Methanol at Isobaric Condition
rhol	796.09	kg/m3	288.15	Volumetric Properties of the Binary Methanol + Chloroform and Ternary Methanol + Chloroform + Benzene Mixtures at (288.15, 293.15, 298.15, 303.15, 308.15, and 313.15) K
rhol	791.40	kg/m3	293.15	Volumetric Properties of the Binary Methanol + Chloroform and Ternary Methanol + Chloroform + Benzene Mixtures at (288.15, 293.15, 298.15, 303.15, 308.15, and 313.15) K
rhol	786.69	kg/m3	298.15	Volumetric Properties of the Binary Methanol + Chloroform and Ternary Methanol + Chloroform + Benzene Mixtures at (288.15, 293.15, 298.15, 303.15, 308.15, and 313.15) K

rhol	781.97	kg/m3	303.15	Volumetric Properties of the Binary Methanol + Chloroform and Ternary Methanol + Chloroform + Benzene Mixtures at (288.15, 293.15, 298.15, 303.15, 308.15, and 313.15) K
rhol	777.21	kg/m3	308.15	Volumetric Properties of the Binary Methanol + Chloroform and Ternary Methanol + Chloroform + Benzene Mixtures at (288.15, 293.15, 298.15, 303.15, 308.15, and 313.15) K
rhol	772.44	kg/m3	313.15	Volumetric Properties of the Binary Methanol + Chloroform and Ternary Methanol + Chloroform + Benzene Mixtures at (288.15, 293.15, 298.15, 303.15, 308.15, and 313.15) K
rhol	796.41	kg/m3	288.15	Excess Molar Volumes of 1,3-Diethyl Propanedioate with Methanol, Ethanol, Propan-1-ol, Propan-2-ol, Butan-2-ol, 2-Methyl-propan-1-ol, and Pentan-1-ol at T = (288.15, 298.15, 313.15, and 328.15) K
rhol	786.99	kg/m3	298.15	Excess Molar Volumes of 1,3-Diethyl Propanedioate with Methanol, Ethanol, Propan-1-ol, Propan-2-ol, Butan-2-ol, 2-Methyl-propan-1-ol, and Pentan-1-ol at T = (288.15, 298.15, 313.15, and 328.15) K

rhol	772.74	kg/m3	313.15	Excess Molar Volumes of 1,3-Diethyl Propanedioate with Methanol, Ethanol, Propan-1-ol, Propan-2-ol, Butan-2-ol, 2-Methyl-propan-1-ol, and Pentan-1-ol at T = (288.15, 298.15, 313.15, and 328.15) K
rhol	758.20	kg/m3	328.15	Excess Molar Volumes of 1,3-Diethyl Propanedioate with Methanol, Ethanol, Propan-1-ol, Propan-2-ol, Butan-2-ol, 2-Methyl-propan-1-ol, and Pentan-1-ol at T = (288.15, 298.15, 313.15, and 328.15) K
rhol	786.30	kg/m3	298.15	Volumetric Properties for (Ionic Liquid + Methanol or Ethanol or 1-Propanol + Nitromethane) at 298.15 K and Atmospheric Pressure
rhol	786.56	kg/m3	298.15	Excess Volumes of Ternary Mixtures 2,2,4-Trimethylpentane + Diisopropyl Ether or Methyl tert-Butyl Ether + Methanol, Ethanol, or 1-Propanol at 298.15 K
rhol	801.25	kg/m3	283.15	Densities and Excess Properties of Primary Amines in Alcoholic Solutions
rhol	791.87	kg/m3	293.15	Densities and Excess Properties of Primary Amines in Alcoholic Solutions

rhol	782.43	kg/m3	303.15	Densities and Excess Properties of Primary Amines in Alcoholic Solutions	
rhol	772.90	kg/m3	313.15	Densities and Excess Properties of Primary Amines in Alcoholic Solutions	
rhol	763.24	kg/m3	323.15	Densities and Excess Properties of Primary Amines in Alcoholic Solutions	
rhol	753.39	kg/m3	333.15	Densities and Excess Properties of Primary Amines in Alcoholic Solutions	
rhol	786.55	kg/m3	298.15	Surface Tension Measurements for Seven Imidazolium-Based Dialkylphosphate Ionic Liquids and Their Binary Mixtures with Water (Methanol or Ethanol) at 298.15 K and 1 atm	
rhol	786.59	kg/m3	298.15	Liquid Liquid Equilibria for Ternary Mixtures of Methylphenyl Carbonate, Dimethyl Carbonate, Diphenyl Carbonate, Anisole, Methanol, Phenol, and Water at Several Temperatures	
rhol	791.24	kg/m3	293.15	Thermophysical Properties of the Binary Mixture 1-Propylpyridinium Tetrafluoroborate with Methanol	
rhol	781.81	kg/m3	303.15	Thermophysical Properties of the Binary Mixture 1-Propylpyridinium Tetrafluoroborate with Methanol	

rhol	772.29	kg/m3	313.15	Thermophysical Properties of the Binary Mixture 1-Propylpyridinium Tetrafluoroborate with Methanol
rhol	762.83	kg/m3	323.15	Thermophysical Properties of the Binary Mixture 1-Propylpyridinium Tetrafluoroborate with Methanol
rhol	792.12	kg/m3	293.15	Densities and Viscosities of Binary Mixtures Containing 1,3-Dimethylimidazolium Dimethylphosphate and Alcohols
rhol	787.43	kg/m3	298.15	Densities and Viscosities of Binary Mixtures Containing 1,3-Dimethylimidazolium Dimethylphosphate and Alcohols
rhol	782.68	kg/m3	303.15	Densities and Viscosities of Binary Mixtures Containing 1,3-Dimethylimidazolium Dimethylphosphate and Alcohols
rhol	777.91	kg/m3	308.15	Densities and Viscosities of Binary Mixtures Containing 1,3-Dimethylimidazolium Dimethylphosphate and Alcohols
rhol	773.14	kg/m3	313.15	Densities and Viscosities of Binary Mixtures Containing 1,3-Dimethylimidazolium Dimethylphosphate and Alcohols
rhol	768.32	kg/m3	318.15	Densities and Viscosities of Binary Mixtures Containing 1,3-Dimethylimidazolium Dimethylphosphate and Alcohols
rhol	763.47	kg/m3	323.15	Densities and Viscosities of Binary Mixtures Containing 1,3-Dimethylimidazolium Dimethylphosphate and Alcohols

rhol	786.67	kg/m3	298.15	Density, Viscosity, and Conductivity of Binary Mixtures of the Ionic Liquid N-(2-Hydroxyethyl)piperazinium Propionate with Water, Methanol, or Ethanol
rhol	789.70	kg/m3	298.15	Phase equilibrium study of binary and ternary mixtures of ionic liquids + acetone + methanol
rhol	786.58	kg/m3	298.15	Liquid Liquid Equilibria in Ternary Systems of Hexafluoroisopropanol + Perfluorocarbon + Water or Methanol at 298.15 K
rhol	786.40	kg/m3	298.15	Liquid Liquid Equilibrium for Ternary System Methanol + Methyl Acetate + 1,3-Dimethylimidazolium Dimethylphosphate at Several Temperatures and Atmospheric Pressure
rhol	791.28	kg/m3	293.15	Speed of sound, density and related thermodynamic excess properties of binary mixtures of butan-2-one with C1-C4 nalkanols and chloroform
rhol	786.58	kg/m3	298.15	Speed of sound, density and related thermodynamic excess properties of binary mixtures of butan-2-one with C1-C4 nalkanols and chloroform

rhol	781.85	kg/m3	303.15	Speed of sound, density and related thermodynamic excess properties of binary mixtures of butan-2-one with C1-C4 nalkanols and chloroform
rhol	777.10	kg/m3	308.15	Speed of sound, density and related thermodynamic excess properties of binary mixtures of butan-2-one with C1-C4 nalkanols and chloroform
rhol	772.32	kg/m3	313.15	Speed of sound, density and related thermodynamic excess properties of binary mixtures of butan-2-one with C1-C4 nalkanols and chloroform
rhol	767.51	kg/m3	318.15	Speed of sound, density and related thermodynamic excess properties of binary mixtures of butan-2-one with C1-C4 nalkanols and chloroform
rhol	762.67	kg/m3	323.15	Speed of sound, density and related thermodynamic excess properties of binary mixtures of butan-2-one with C1-C4 nalkanols and chloroform
rhol	786.50	kg/m3	298.15	Density of Methanolic Alkali Halide Salt Solutions by Experiment and Molecular Simulation
rhol	777.10	kg/m3	308.15	Density of Methanolic Alkali Halide Salt Solutions by Experiment and Molecular Simulation

rhol	767.50	kg/m3	318.15	Density of Methanolic Alkali Halide Salt Solutions by Experiment and Molecular Simulation
rhol	786.44	kg/m3	298.15	Thermodynamic Properties of 1-Butyl-3-methylpyridinium Tetrafluoroborate and Its Mixtures with Water and Alkanols
rhol	768.04	kg/m3	318.15	Thermodynamic Properties of 1-Butyl-3-methylpyridinium Tetrafluoroborate and Its Mixtures with Water and Alkanols
rhol	787.00	kg/m3	298.15	Liquid-Liquid Equilibrium of (Cyclohexane + 2,2,2-Trifluoroethanol) and (Cyclohexane + Methanol) from (278.15 to 318.15) K
rhol	787.00	kg/m3	298.15	Effect of Temperature on Phase Equilibrium of the Mixed-Solvent System of (2,2,2-Trifluoroethanol + Methanol + Cyclohexane)
rhol	866.84	kg/m3	298.15	Temperature Dependence on Mutual Solubility Data of the Binary (Methanol + r-Pinene or -Pinene) Systems and Ternary Liquid-Liquid Equilibria for the (Methanol + Ethanol + r-Pinene or -Pinene) Systems

rhol	786.57	kg/m3	298.15	Binary Liquid-Liquid Equilibrium (LLE) for Dibutyl Ether (DBE) + Water from (288.15 to 318.15) K and Ternary LLE for Systems of DBE + C1 !less thanless than C4 Alcohols + Water at 298.15 K
rhol	786.64	kg/m3	298.15	Binary Liquid-Liquid Equilibrium (LLE) for Methyl tert-Amyl Ether (TAME) + Water from (288.15 to 313.15) K and Ternary LLE for Systems of TAME + C1-C4 Alcohols + Water at 298.15 K
rhol	787.00	kg/m3	298.15	Solubility and Liquid-Liquid Equilibrium of Aqueous Systems of Iodoethane with Methanol, Ethanol, or 1-Propanol at Temperature 298.15 K and Pressure 101.2 kPa
rhol	809.77	kg/m3	273.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO
rhol	805.11	kg/m3	278.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO

rhol	800.45	kg/m3	283.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO
rhol	795.77	kg/m3	288.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO
rhol	791.08	kg/m3	293.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO
rhol	786.37	kg/m3	298.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO
rhol	781.65	kg/m3	303.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO
rhol	776.89	kg/m3	308.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO

rhol	772.11	kg/m3	313.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO
rhol	786.38	kg/m3	298.15	Partial Molar Volumes of Butyltriethylammonium Iodide in Single Nonaqueous Solvents at 298.15 K
rhol	796.00	kg/m3	298.20	Solubility of Phenanthrene in Binary Mixtures of C1-C4 Alcohols at 298.2 K
rhol	786.49	kg/m3	298.15	Refractive Indices and Deviations in Refractive Indices for Binary Mixtures of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate with Methanol, Ethanol, 1-Propanol, and 2-Propanol at Several Temperatures
rhol	791.30	kg/m3	293.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	786.58	kg/m3	298.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures

rhol	781.86	kg/m3	303.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	786.64	kg/m3	298.15	Thermodynamic and spectroscopic properties of binary mixtures of n-butylammonium butanoate ionic liquid with alcohols at T = (293.15-313.15) K
rhol	772.33	kg/m3	313.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	767.52	kg/m3	318.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	786.00	kg/m3	298.15	Ternary Excess Molar Volumes of {Methyltrioctylammonium Bis[(trifluoromethyl)sulfonyl]imide + Methanol + Methyl Acetate or Ethyl Acetate} Systems at (298.15, 303.15, and 313.15) K
rhol	783.40	kg/m3	303.15	Ternary Excess Molar Volumes of {Methyltrioctylammonium Bis[(trifluoromethyl)sulfonyl]imide + Methanol + Methyl Acetate or Ethyl Acetate} Systems at (298.15, 303.15, and 313.15) K

rhol	774.60	kg/m3	313.15	Ternary Excess Molar Volumes of {Methyltrioctylammonium Bis[(trifluoromethyl)sulfonyl]imide + Methanol + Methyl Acetate or Ethyl Acetate} Systems at (298.15, 303.15, and 313.15) K
rhol	786.40	kg/m3	298.15	Bubble point temperatures of the binary mixtures of nitrobenzene with C1 C4 aliphatic alcohols at 94.95 kPa
rhol	786.53	kg/m3	298.15	Volumetric and compressibility behaviour of ionic liquid, 1-n-butyl-3-methylimidazolium hexafluorophosphate and tetrabutylammonium hexafluorophosphate in organic solvents at T = 298.15 K
rhol	777.20	kg/m3	308.15	Temperature dependence of the volumetric properties of some alkoxypropanols + n-alkanol mixtures
rhol	786.40	kg/m3	298.15	Temperature dependence of the volumetric properties of some alkoxypropanols + n-alkanol mixtures
rhol	795.50	kg/m3	288.15	Temperature dependence of the volumetric properties of some alkoxypropanols + n-alkanol mixtures

rhol	786.42	kg/m3	298.15	Isothermal vapor-liquid equilibria at 383.15-413.15 K for the binary system methanol + dimethyl carbonate and the pressure dependency of the azeotropic point
rhol	768.03	kg/m3	318.15	Densities, viscosities, and refractive indices of binary and ternary mixtures of methanol, acetone, and chloroform at temperatures from (298.15-318.15) K and ambient pressure
rhol	772.97	kg/m3	313.15	Densities, viscosities, and refractive indices of binary and ternary mixtures of methanol, acetone, and chloroform at temperatures from (298.15-318.15) K and ambient pressure
rhol	777.56	kg/m3	308.15	Densities, viscosities, and refractive indices of binary and ternary mixtures of methanol, acetone, and chloroform at temperatures from (298.15-318.15) K and ambient pressure
rhol	782.75	kg/m3	303.15	Densities, viscosities, and refractive indices of binary and ternary mixtures of methanol, acetone, and chloroform at temperatures from (298.15-318.15) K and ambient pressure

rhol	787.21	kg/m3	298.15	Densities, viscosities, and refractive indices of binary and ternary mixtures of methanol, acetone, and chloroform at temperatures from (298.15-318.15) K and ambient pressure
rhol	763.03	kg/m3	323.15	Effect of composition and temperature variations on thermophysical properties of binary and ternary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate with 1-butanol and /or methanol
rhol	767.84	kg/m3	318.15	Effect of composition and temperature variations on thermophysical properties of binary and ternary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate with 1-butanol and /or methanol
rhol	772.64	kg/m3	313.15	Effect of composition and temperature variations on thermophysical properties of binary and ternary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate with 1-butanol and /or methanol
rhol	777.41	kg/m3	308.15	Effect of composition and temperature variations on thermophysical properties of binary and ternary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate with 1-butanol and /or methanol

rhol	782.16	kg/m3	303.15	Effect of composition and temperature variations on thermophysical properties of binary and ternary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate with 1-butanol and /or methanol
rhol	786.88	kg/m3	298.15	Effect of composition and temperature variations on thermophysical properties of binary and ternary mixtures of 1-ethyl-3-methylimidazolium ethylsulfate with 1-butanol and /or methanol
rhol	791.35	kg/m3	293.15	Thermodynamic and spectroscopic properties of binary mixtures of n-butylammonium butanoate ionic liquid with alcohols at T = (293.15-313.15) K
rhol	786.56	kg/m3	298.15	Vapor-liquid equilibria of binary and ternary mixtures containing ethyl lactate and effect of ethyl lactate as entrainer

rhol	786.62	kg/m3	298.15	Experimental vapour - liquid equilibrium data of the quaternary system Methanol (1) + Isopropyl Alcohol (2) + Water (3) + Glycerol (4) along with Isopropyl Alcohol (2) + Glycerol (4) and Isopropyl Alcohol (2) + Water (3) binary data at atmospheric and sub-atmospheric pressures.
rhol	791.62	kg/m3	293.15	Experimental vapour - liquid equilibrium data of the quaternary system Methanol (1) + Isopropyl Alcohol (2) + Water (3) + Glycerol (4) along with Isopropyl Alcohol (2) + Glycerol (4) and Isopropyl Alcohol (2) + Water (3) binary data at atmospheric and sub-atmospheric pressures.
rhol	787.10	kg/m3	298.15	Isobaric vapor-liquid equilibrium for methyl acetate + methanol system containing different ionic liquids at 101.3 kPa
rhol	786.59	kg/m3	298.15	Determination and prediction of solubilities of active pharmaceutical ingredients in selected organic solvents

rhol	786.62	kg/m3	298.15	Isobaric ternary vapour-liquid equilibrium of methanol(1) + diisopropyl ether(2) + isopropyl alcohol(3) along with methanol + isopropyl alcohol binary data at atmospheric and sub-atmospheric pressures
rhol	791.00	kg/m3	298.20	Phase equilibria of (water + propionic acid or butyric acid + 2-methoxy-2-methylpropane) ternary systems at 298.2 K and 323.2 K
rhol	786.59	kg/m3	298.15	Excess volumes and excess heat capacities of {1,2- alkanediol + methanol} mixtures and ionic volumes in these systems
rhol	763.24	kg/m3	323.15	Thermodynamic properties of cyclohexane methanol liquid mixture from shear viscosity measurements
rhol	768.09	kg/m3	318.15	Thermodynamic properties of cyclohexane methanol liquid mixture from shear viscosity measurements
rhol	772.89	kg/m3	313.15	Thermodynamic properties of cyclohexane methanol liquid mixture from shear viscosity measurements

rhol	786.62	kg/m3	298.15	Experimental isobaric vapor-liquid equilibrium at atmospheric and sub-atmospheric pressures, excess molar volumes and deviations in molar refractivity from 293.15 K to 318.15 K of diisopropyl ether with methanol and isopropyl alcohol.	
rhol	786.59	kg/m3	298.15	Ternary liquid-liquid equilibria and binary excess and deviation properties at constant temperature for mixtures of dimethyl carbonate, anisole, methanol, phenol and water	
rhol	785.90	kg/m3	298.15	Solubility of androstenedione in lower alcohols	
rhol	786.69	kg/m3	298.15	Isobaric vapor-liquid equilibrium at 101.3 kPa and excess properties at 298.15 K for binary mixtures of methyl phenyl carbonate with methanol or dimethyl carbonate	
rhol	791.82	kg/m3	293.15	Isobaric vapor liquid equilibrium for binary system of methanol and acetonitrile	
rhol	786.57	kg/m3	298.15	Liquid liquid equilibria for the binary system of di-isopropyl ether (DIPE) +water in between 288.15 and 323.15K and the ternary systems of DIPE +water + C1 C4 alcohols at 298.15K	

rhol	777.07	kg/m3	308.15	Thermodynamic properties of mixtures containing alkoxypropanol and n-alkanol
rhol	786.55	kg/m3	298.15	Thermodynamic properties of mixtures containing alkoxypropanol and n-alkanol
rhol	795.97	kg/m3	288.15	Thermodynamic properties of mixtures containing alkoxypropanol and n-alkanol
rhol	753.29	kg/m3	333.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine
rhol	758.23	kg/m3	328.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine
rhol	763.12	kg/m3	323.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine

rhol	767.97	kg/m3	318.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine
rhol	772.78	kg/m3	313.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine
rhol	777.55	kg/m3	308.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine
rhol	782.29	kg/m3	303.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine
rhol	787.01	kg/m3	298.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine

rhol	791.71	kg/m3	293.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine
rhol	796.41	kg/m3	288.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine
rhol	801.08	kg/m3	283.15	Volumetric properties of the boldine + alcohol mixtures at atmospheric pressure from 283.15 to 333.15K A new method for the determination of the density of pure boldine
rhol	787.50	kg/m3	298.10	Activity coefficients of the species in the methanol solutions of acetaminophen and two silylated derivatives at 298.15K
rhol	782.40	kg/m3	303.15	Viscous synergy and antagonism and isentropic compressibility of ternary mixtures containing 1,3-dioxolane, water and monoalkanols at 303.15K

rhol	772.44	kg/m3	313.15	Effect of temperature on the excess molar volumes of some alcohol + aromatic mixtures and modelling by cubic EOS mixing rules
rhol	777.21	kg/m3	308.15	Effect of temperature on the excess molar volumes of some alcohol + aromatic mixtures and modelling by cubic EOS mixing rules
rhol	781.97	kg/m3	303.15	Effect of temperature on the excess molar volumes of some alcohol + aromatic mixtures and modelling by cubic EOS mixing rules
rhol	786.69	kg/m3	298.15	Effect of temperature on the excess molar volumes of some alcohol + aromatic mixtures and modelling by cubic EOS mixing rules
rhol	791.40	kg/m3	293.15	Effect of temperature on the excess molar volumes of some alcohol + aromatic mixtures and modelling by cubic EOS mixing rules
rhol	796.09	kg/m3	288.15	Effect of temperature on the excess molar volumes of some alcohol + aromatic mixtures and modelling by cubic EOS mixing rules

rhol	786.55	kg/m3	298.15	Liquid liquid equilibrium in ternary systems N,N-dimethylformamide + 2-methylpentane + methanol and N,N-dimethylformamide + methylcyclohexane + methanol
rhol	772.31	kg/m3	313.14	Volumetric Properties of Binary Mixtures of 2,4,6-Trimethylpyridine with 1,2-Ethanediol, Methanol, and Water, and the Association Energies of the O-H***N Bonded Complexes
rhol	777.08	kg/m3	308.15	Volumetric Properties of Binary Mixtures of 2,4,6-Trimethylpyridine with 1,2-Ethanediol, Methanol, and Water, and the Association Energies of the O-H***N Bonded Complexes
rhol	781.83	kg/m3	303.15	Volumetric Properties of Binary Mixtures of 2,4,6-Trimethylpyridine with 1,2-Ethanediol, Methanol, and Water, and the Association Energies of the O-H***N Bonded Complexes
rhol	786.55	kg/m3	298.15	Volumetric Properties of Binary Mixtures of 2,4,6-Trimethylpyridine with 1,2-Ethanediol, Methanol, and Water, and the Association Energies of the O-H***N Bonded Complexes

rhol	791.26	kg/m3	293.15	Volumetric Properties of Binary Mixtures of 2,4,6-Trimethylpyridine with 1,2-Ethanediol, Methanol, and Water, and the Association Energies of the O-H***N Bonded Complexes
rhol	795.96	kg/m3	288.15	Volumetric Properties of Binary Mixtures of 2,4,6-Trimethylpyridine with 1,2-Ethanediol, Methanol, and Water, and the Association Energies of the O-H***N Bonded Complexes
rhol	800.64	kg/m3	283.15	Volumetric Properties of Binary Mixtures of 2,4,6-Trimethylpyridine with 1,2-Ethanediol, Methanol, and Water, and the Association Energies of the O-H***N Bonded Complexes
rhol	806.25	kg/m3	277.15	Volumetric Properties of Binary Mixtures of 2,4,6-Trimethylpyridine with 1,2-Ethanediol, Methanol, and Water, and the Association Energies of the O-H***N Bonded Complexes
rhol	807.18	kg/m3	276.15	Volumetric Properties of Binary Mixtures of 2,4,6-Trimethylpyridine with 1,2-Ethanediol, Methanol, and Water, and the Association Energies of the O-H***N Bonded Complexes

rhol	791.28	kg/m3	293.15	Viscosity of Associated Mixtures Approximated by the Grunberg-Nissan Model	
rhol	786.53	kg/m3	298.15	Volumetric Properties of the Ionic Liquid, 1-Butyl-3-methylimidazolium Tetrafluoroborate, in Organic Solvents at T = 298.15 K	
rhol	791.00	kg/m3	293.00	KDB	
rhol	786.97	kg/m3	298.15	Experimental study on the calorimetric data of 2-butoxyethanol with aliphatic alcohols (C1-C4) and correlation with the Wilson, NRTL and UNIQUAC models at T = 298 K	
rhol	791.20	kg/m3	293.15	(Liquid + liquid) equilibria of four alcohol-water systems containing 1,8-cineole at T = 298.15 K	
rhol	791.10	kg/m3	293.15	Measurement and correlation of the vapor-liquid equilibrium for methanol + acetonitrile + imidazolium-based ionic liquids at 101.3 kPa	
rhol	762.10	kg/m3	323.15	Density, viscosity and excess properties in the trihexyltetradecylphosphonium chloride ionic liquid/methanol cosolvent system	
rhol	767.70	kg/m3	318.15	Density, viscosity and excess properties in the trihexyltetradecylphosphonium chloride ionic liquid/methanol cosolvent system	

rhol	772.10	kg/m3	313.15	Density, viscosity and excess properties in the trihexyltetradecylphosphonium chloride ionic liquid/methanol cosolvent system
rhol	777.30	kg/m3	308.15	Density, viscosity and excess properties in the trihexyltetradecylphosphonium chloride ionic liquid/methanol cosolvent system
rhol	781.40	kg/m3	303.15	Density, viscosity and excess properties in the trihexyltetradecylphosphonium chloride ionic liquid/methanol cosolvent system
rhol	786.80	kg/m3	298.15	Density, viscosity and excess properties in the trihexyltetradecylphosphonium chloride ionic liquid/methanol cosolvent system
rhol	790.80	kg/m3	295.15	Density, viscosity and excess properties in the trihexyltetradecylphosphonium chloride ionic liquid/methanol cosolvent system
rhol	793.50	kg/m3	293.15	Density, viscosity and excess properties in the trihexyltetradecylphosphonium chloride ionic liquid/methanol cosolvent system
rhol	797.30	kg/m3	290.15	Density, viscosity and excess properties in the trihexyltetradecylphosphonium chloride ionic liquid/methanol cosolvent system
rhol	786.60	kg/m3	298.15	Solubility and solution thermodynamics of thymol in six pure organic solvents

rhol	786.20	kg/m3	298.15	Measurements and modeling for the density of 2-methoxy-2,4,4-trimethylpentane, HE for (methanol + 2-methoxy-2,4,4-trimethylpentane), LLE for (water + 2-methoxy-2,4,4-trimethylpentane) and LLE for (water + methanol + 2-methoxy-2,4,4-trimethylpentane)
rhol	767.60	kg/m3	318.15	Volumetric properties, viscosities and refractive indices of binary liquid mixtures of tetrafluoroborate-based ionic liquids with methanol at several temperatures
rhol	777.10	kg/m3	308.15	Volumetric properties, viscosities and refractive indices of binary liquid mixtures of tetrafluoroborate-based ionic liquids with methanol at several temperatures
rhol	786.60	kg/m3	298.15	Volumetric properties, viscosities and refractive indices of binary liquid mixtures of tetrafluoroborate-based ionic liquids with methanol at several temperatures
rhol	796.00	kg/m3	288.15	Volumetric properties, viscosities and refractive indices of binary liquid mixtures of tetrafluoroborate-based ionic liquids with methanol at several temperatures

rhol	805.40	kg/m3	278.15	Volumetric properties, viscosities and refractive indices of binary liquid mixtures of tetrafluoroborate-based ionic liquids with methanol at several temperatures
rhol	786.60	kg/m3	298.15	Measurements and equation-of-state modelling of thermodynamic properties of binary mixtures of 1-butyl-1-methylpyrrolidinium tetracyanoborate ionic liquid with molecular compounds
rhol	772.42	kg/m3	313.15	Properties of pure 1,1,3,3-tetramethylguanidine imidazole ionic liquid and its binary mixtures with alcohols at T = (293.15 to 313.15) K
rhol	777.20	kg/m3	308.15	Properties of pure 1,1,3,3-tetramethylguanidine imidazole ionic liquid and its binary mixtures with alcohols at T = (293.15 to 313.15) K
rhol	781.94	kg/m3	303.15	Properties of pure 1,1,3,3-tetramethylguanidine imidazole ionic liquid and its binary mixtures with alcohols at T = (293.15 to 313.15) K
rhol	786.67	kg/m3	298.15	Properties of pure 1,1,3,3-tetramethylguanidine imidazole ionic liquid and its binary mixtures with alcohols at T = (293.15 to 313.15) K

rhol	791.35	kg/m3	293.15	Properties of pure 1,1,3,3-tetramethylguanidine imidazole ionic liquid and its binary mixtures with alcohols at T = (293.15 to 313.15) K
rhol	800.62	kg/m3	283.15	Excess molar volumes of binary mixtures of 1,3-dimethylimidazolidin-2-one with an alkan-1-ol at the temperatures 283.15 K, 298.15 K, and 313.15 K
rhol	786.20	kg/m3	298.15	Measurements and modeling of LLE and HE for (methanol + 2,4,4-trimethyl-1-pentene), and LLE for (water + methanol + 2,4,4-trimethyl-1-pentene)
rhol	767.75	kg/m3	318.15	Non-covalent interactions between {N,N'-bis[(2-pyridinyl)methylene]-1,2-benzenediamine]-bis(nitrato)}Cu(with pyridoxine hydrochloride in methanol at T = (298.15, 308.15 and 318.15) K
rhol	777.18	kg/m3	308.15	Non-covalent interactions between {N,N'-bis[(2-pyridinyl)methylene]-1,2-benzenediamine]-bis(nitrato)}Cu(with pyridoxine hydrochloride in methanol at T = (298.15, 308.15 and 318.15) K
rhol	786.67	kg/m3	298.15	Non-covalent interactions between {N,N'-bis[(2-pyridinyl)methylene]-1,2-benzenediamine]-bis(nitrato)}Cu(with pyridoxine hydrochloride in methanol at T = (298.15, 308.15 and 318.15) K
rhol	786.58	kg/m3	298.15	Ionic molar volumes in methanol mixtures with acetonitrile, N,N-dimethylformamide and propylene carbonate at T = 298.15 K

rhol	767.74	kg/m3	318.15	Partial molar volumes and viscosity B-coefficients for N,N'-ethylenebis(salicylideneiminato)-diaquochromium(III) chloride in methanolic solutions of 1-butyl-2,3-dimethylimidazolium tetrafluoroborate at T = (298.15, 308.15, and 318.15) K
rhol	777.15	kg/m3	308.15	Partial molar volumes and viscosity B-coefficients for N,N'-ethylenebis(salicylideneiminato)-diaquochromium(III) chloride in methanolic solutions of 1-butyl-2,3-dimethylimidazolium tetrafluoroborate at T = (298.15, 308.15, and 318.15) K
rhol	786.61	kg/m3	298.15	Partial molar volumes and viscosity B-coefficients for N,N'-ethylenebis(salicylideneiminato)-diaquochromium(III) chloride in methanolic solutions of 1-butyl-2,3-dimethylimidazolium tetrafluoroborate at T = (298.15, 308.15, and 318.15) K
rhol	786.90	kg/m3	298.15	Cation effect of ammonium imide based ionic liquids in alcohols extraction from alcohol-alkane azeotropic mixtures
rhol	777.20	kg/m3	308.15	Physical properties of the pure 1-methyl-1-propylpyrrolidinium bis(trifluoromethylsulfonyl)imide ionic liquid and its binary mixtures with alcohols

rhol	781.95	kg/m3	303.15	Physical properties of the pure 1-methyl-1-propylpyrrolidinium bis(trifluoromethylsulfonyl)imide ionic liquid and its binary mixtures with alcohols
rhol	786.66	kg/m3	298.15	Physical properties of the pure 1-methyl-1-propylpyrrolidinium bis(trifluoromethylsulfonyl)imide ionic liquid and its binary mixtures with alcohols
rhol	767.74	kg/m3	318.15	Effect of tetrabutylammonium bromide on solution behavior of salicylaldehyde anil zinc (II) in methanol at T = (298.15, 308.15 and 318.15) K
rhol	777.18	kg/m3	308.15	Effect of tetrabutylammonium bromide on solution behavior of salicylaldehyde anil zinc (II) in methanol at T = (298.15, 308.15 and 318.15) K
rhol	786.62	kg/m3	298.15	Effect of tetrabutylammonium bromide on solution behavior of salicylaldehyde anil zinc (II) in methanol at T = (298.15, 308.15 and 318.15) K
rhol	767.20	kg/m3	318.15	Density and surface tension of pure ionic liquid 1-butyl-3-methylimidazolium L-lactate and its binary mixture with alcohol and water

rhol	776.90	kg/m3	308.15	Density and surface tension of pure ionic liquid 1-butyl-3-methylimidazolium L-lactate and its binary mixture with alcohol and water
rhol	786.40	kg/m3	298.15	Density and surface tension of pure ionic liquid 1-butyl-3-methylimidazolium L-lactate and its binary mixture with alcohol and water
rhol	786.60	kg/m3	298.15	Probing subsistence of ion-pair and triple-ion of an ionic salt in liquid environments by means of conductometric contrivance
rhol	782.44	kg/m3	303.15	Thermodynamics of 1-alkanol + linear polyether mixtures
rhol	787.20	kg/m3	298.15	Thermodynamics of 1-alkanol + linear polyether mixtures
rhol	791.55	kg/m3	293.15	Thermodynamics of 1-alkanol + linear polyether mixtures
rhol	767.74	kg/m3	318.15	Volume effects for binary mixtures of propane-1,2-diol with methanol, propan-1-ol, hexan-1-ol, octan-1-ol, or nonan-1-ol at temperatures (293.15 to 318.15) K
rhol	772.55	kg/m3	313.15	Volume effects for binary mixtures of propane-1,2-diol with methanol, propan-1-ol, hexan-1-ol, octan-1-ol, or nonan-1-ol at temperatures (293.15 to 318.15) K

rhol	777.33	kg/m3	308.15	Volume effects for binary mixtures of propane-1,2-diol with methanol, propan-1-ol, hexan-1-ol, octan-1-ol, or nonan-1-ol at temperatures (293.15 to 318.15) K
rhol	782.07	kg/m3	303.15	Volume effects for binary mixtures of propane-1,2-diol with methanol, propan-1-ol, hexan-1-ol, octan-1-ol, or nonan-1-ol at temperatures (293.15 to 318.15) K
rhol	786.79	kg/m3	298.15	Volume effects for binary mixtures of propane-1,2-diol with methanol, propan-1-ol, hexan-1-ol, octan-1-ol, or nonan-1-ol at temperatures (293.15 to 318.15) K
rhol	791.49	kg/m3	293.15	Volume effects for binary mixtures of propane-1,2-diol with methanol, propan-1-ol, hexan-1-ol, octan-1-ol, or nonan-1-ol at temperatures (293.15 to 318.15) K
rhol	786.62	kg/m3	298.15	Isothermal (vapour + liquid) equilibria for binary mixtures of diisopropyl ether with (methanol, or ethanol, or 1-butanol): Experimental data, correlations, and predictions

rhol	786.63	kg/m3	298.15	Partial molar volume of tertiary amines in methanol at T = 298.15 K. Solvation, shape and specific interactions
rhol	785.30	kg/m3	298.15	Volumetric and surface properties of pure ionic liquid n-octyl-pyridinium nitrate and its binary mixture with alcohol
rhol	787.00	kg/m3	298.15	Phase diagrams of (hexane + methanol + 2,2,2-trifluoroethanol) at three temperatures: Measurement and correlation
rhol	786.62	kg/m3	298.15	Temperature dependence on mutual solubility of binary (methanol + limonene) mixture and (liquid + liquid) equilibria of ternary (methanol + ethanol + limonene) mixture
rhol	774.60	kg/m3	313.15	Excess molar volumes and isentropic compressibility of binary systems {trioctylmethylammonium bis(trifluoromethysulfonyl)imide + methanol or ethanol or 1-propanol} at different temperatures
rhol	783.40	kg/m3	303.15	Excess molar volumes and isentropic compressibility of binary systems {trioctylmethylammonium bis(trifluoromethysulfonyl)imide + methanol or ethanol or 1-propanol} at different temperatures

rhol	786.00	kg/m3	298.15	Excess molar volumes and isentropic compressibility of binary systems {trioctylmethylammonium bis(trifluoromethysulfonyl)imide + methanol or ethanol or 1-propanol} at different temperatures
rhol	786.55	kg/m3	298.15	Volumetric, acoustic, and viscometric studies of molecular interactions in binary mixtures of dipropylene glycol dimethyl ether with 1-alkanols at 298.15 K
rhol	786.71	kg/m3	298.15	Density and speed of sound of lithium bromide with organic solvents: Measurement and correlation
rhol	772.70	kg/m3	313.15	Liquid densities and excess molar volumes for (ionic liquids + methanol + water) ternary system at atmospheric pressure and at various temperatures
rhol	782.00	kg/m3	303.15	Liquid densities and excess molar volumes for (ionic liquids + methanol + water) ternary system at atmospheric pressure and at various temperatures
rhol	786.70	kg/m3	298.15	Liquid densities and excess molar volumes for (ionic liquids + methanol + water) ternary system at atmospheric pressure and at various temperatures

rhol	772.32	kg/m3	313.15	Excess molar volumes of binary mixtures of 1,3-dimethylimidazolidin-2-one with an alkan-1-ol at the temperatures 283.15 K, 298.15 K, and 313.15 K
rhol	777.11	kg/m3	308.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	786.30	kg/m3	298.15	Solubility and solution thermodynamics of sorbic acid in eight pure organic solvents
sfust	4.00	J/mol×K	157.30	NIST Webbook
sfust	3.70	J/mol×K	161.10	NIST Webbook
sfust	18.10	J/mol×K	175.30	NIST Webbook
sfust	12.50	J/mol×K	176.00	NIST Webbook
sfust	18.30	J/mol×K	175.60	NIST Webbook
speedsl	1052.93	m/s	313.15	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1109.00	m/s	298.15	Densities, Sound Speed, and IR Studies of (Methanol + 1-Acetoxybutane) and (Methanol + 1,1-Dimethylethyl Ester) at (298.15, 303.15, 308.15, and 313.15) K
speedsl	1037.71	m/s	318.15	Volumetric and Ultrasonic Studies of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with Methanol, Ethanol, 1-Propanol, and Water at Several Temperatures

speedsl	1069.78	m/s	308.15	Volumetric and Ultrasonic Studies of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with Methanol, Ethanol, 1-Propanol, and Water at Several Temperatures
speedsl	1102.29	m/s	298.15	Volumetric and Ultrasonic Studies of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with Methanol, Ethanol, 1-Propanol, and Water at Several Temperatures
speedsl	1135.49	m/s	288.15	Volumetric and Ultrasonic Studies of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with Methanol, Ethanol, 1-Propanol, and Water at Several Temperatures
speedsl	1169.50	m/s	278.15	Volumetric and Ultrasonic Studies of 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate Ionic Liquid with Methanol, Ethanol, 1-Propanol, and Water at Several Temperatures
speedsl	1103.80	m/s	298.15	Compressibility Studies of Binary Solutions Involving Water as a Solute in Nonaqueous Solvents at T) 298.15 K
speedsl	1037.91	m/s	318.15	Volumetric and Speed of Sound of Ionic Liquid, 1-Butyl-3-methylimidazolium Hexafluorophosphate with Acetonitrile and Methanol at T) (298.15 to 318.15) K

speedsl	1053.96	m/s	313.15	Volumetric and Speed of Sound of Ionic Liquid, 1-Butyl-3-methylimidazolium Hexafluorophosphate with Acetonitrile and Methanol at T) (298.15 to 318.15) K
speedsl	1070.11	m/s	308.15	Volumetric and Speed of Sound of Ionic Liquid, 1-Butyl-3-methylimidazolium Hexafluorophosphate with Acetonitrile and Methanol at T) (298.15 to 318.15) K
speedsl	1086.37	m/s	303.15	Volumetric and Speed of Sound of Ionic Liquid, 1-Butyl-3-methylimidazolium Hexafluorophosphate with Acetonitrile and Methanol at T) (298.15 to 318.15) K
speedsl	1102.68	m/s	298.15	Volumetric and Speed of Sound of Ionic Liquid, 1-Butyl-3-methylimidazolium Hexafluorophosphate with Acetonitrile and Methanol at T) (298.15 to 318.15) K
speedsl	1021.99	m/s	323.15	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}
speedsl	1037.93	m/s	318.15	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}
speedsl	1045.91	m/s	315.65	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}

speedsl	1053.97	m/s	313.15	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}	
speedsl	1062.07	m/s	310.65	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}	
speedsl	1070.15	m/s	308.15	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}	
speedsl	1078.30	m/s	305.65	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}	
speedsl	1086.46	m/s	303.15	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}	
speedsl	1092.00	m/s	303.15	Densities, Sound Speed, and IR Studies of (Methanol + 1-Acetoxybutane) and (Methanol + 1,1-Dimethylethyl Ester) at (298.15, 303.15, 308.15, and 313.15) K	
speedsl	1102.98	m/s	298.15	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}	

speedsl	1111.28	m/s	295.65	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}
speedsl	1119.49	m/s	293.15	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}
speedsl	1127.69	m/s	290.65	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}
speedsl	1136.34	m/s	288.15	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}
speedsl	1104.60	m/s	298.15	Ultrasonic speeds and isentropic compressibilities of {difurylmethane + (C1 C6) n-alkanol} binary mixtures at T = 298.15 K
speedsl	1102.41	m/s	298.15	Apparent molar volumes, expansibilities, and isentropic compressibilities of selected electrolytes in methanol

speedsl	1069.80	m/s	308.15	Densities, excess molar volumes, speeds of sound and isothermal compressibilities for {2-(2-hexyloxyethoxy)ethanol + n-alkanol} systems at temperatures between (288.15 and 308.15) K
speedsl	1086.03	m/s	303.15	Densities, excess molar volumes, speeds of sound and isothermal compressibilities for {2-(2-hexyloxyethoxy)ethanol + n-alkanol} systems at temperatures between (288.15 and 308.15) K
speedsl	1102.62	m/s	298.15	Densities, excess molar volumes, speeds of sound and isothermal compressibilities for {2-(2-hexyloxyethoxy)ethanol + n-alkanol} systems at temperatures between (288.15 and 308.15) K
speedsl	1118.91	m/s	293.15	Densities, excess molar volumes, speeds of sound and isothermal compressibilities for {2-(2-hexyloxyethoxy)ethanol + n-alkanol} systems at temperatures between (288.15 and 308.15) K
speedsl	1135.85	m/s	288.15	Densities, excess molar volumes, speeds of sound and isothermal compressibilities for {2-(2-hexyloxyethoxy)ethanol + n-alkanol} systems at temperatures between (288.15 and 308.15) K

speedsl	1020.46	m/s	323.15	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}	
speedsl	1028.60	m/s	320.65	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}	
speedsl	1036.74	m/s	318.15	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}	
speedsl	1044.90	m/s	315.65	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}	
speedsl	1074.00	m/s	308.15	Densities, Sound Speed, and IR Studies of (Methanol + 1-Acetoxybutane) and (Methanol + 1,1-Dimethylethyl Ester) at (298.15, 303.15, 308.15, and 313.15) K	

speedsl	1061.07	m/s	310.65	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1069.19	m/s	308.15	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1077.33	m/s	305.65	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1085.45	m/s	303.15	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1093.44	m/s	300.65	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}

speedsl	1101.58	m/s	298.15	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1109.77	m/s	295.65	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1117.95	m/s	293.15	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1126.20	m/s	290.65	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1060.00	m/s	313.15	Densities, Sound Speed, and IR Studies of (Methanol + 1-Acetoxybutane) and (Methanol + 1,1-Dimethylethyl Ester) at (298.15, 303.15, 308.15, and 313.15) K

speedsl	1037.91	m/s	318.15	Application of Prigogine Flory Patterson theory to excess molar volume and speed of sound of 1-n-butyl-3-methylimidazolium hexafluorophosphate or 1-n-butyl-3-methylimidazolium tetrafluoroborate in methanol and acetonitrile
speedsl	1053.96	m/s	313.15	Application of Prigogine Flory Patterson theory to excess molar volume and speed of sound of 1-n-butyl-3-methylimidazolium hexafluorophosphate or 1-n-butyl-3-methylimidazolium tetrafluoroborate in methanol and acetonitrile
speedsl	1070.11	m/s	308.15	Application of Prigogine Flory Patterson theory to excess molar volume and speed of sound of 1-n-butyl-3-methylimidazolium hexafluorophosphate or 1-n-butyl-3-methylimidazolium tetrafluoroborate in methanol and acetonitrile
speedsl	1086.37	m/s	303.15	Application of Prigogine Flory Patterson theory to excess molar volume and speed of sound of 1-n-butyl-3-methylimidazolium hexafluorophosphate or 1-n-butyl-3-methylimidazolium tetrafluoroborate in methanol and acetonitrile

speedsl	1101.24	m/s	298.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide
speedsl	1029.90	m/s	320.65	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}
speedsl	1134.45	m/s	288.15	Effect of temperature on mixing thermodynamics of a new ionic liquid: {2-Hydroxy ethylammonium formate (2-HEAF) + short hydroxylic solvents}
speedsl	1094.69	m/s	300.65	Thermophysical properties of binary mixtures of {ionic liquid 2-hydroxy ethylammonium acetate + (water, methanol, or ethanol)}
srf	0.02	N/m	318.15	Surface thermodynamics of binary mixtures of aliphatic alcohols in heavy water
srf	0.02	N/m	298.15	Physicochemical properties of two 1-alkyl-1-methylpyrrolidinium bis[(trifluoromethyl)sulfonyl]imide ionic liquids and of binary mixtures of 1-butyl-1-methylpyrrolidinium bis[(trifluoromethyl)sulfonyl]imide with methanol or acetonitrile

srf	0.02	N/m	288.15	Physicochemical properties of two 1-alkyl-1-methylpyrrolidinium bis[(trifluoromethyl)sulfonyl]imide ionic liquids and of binary mixtures of 1-butyl-1-methylpyrrolidinium bis[(trifluoromethyl)sulfonyl]imide with methanol or acetonitrile
srf	0.02	N/m	308.15	Physicochemical properties of two 1-alkyl-1-methylpyrrolidinium bis[(trifluoromethyl)sulfonyl]imide ionic liquids and of binary mixtures of 1-butyl-1-methylpyrrolidinium bis[(trifluoromethyl)sulfonyl]imide with methanol or acetonitrile
srf	0.02	N/m	293.15	Thermodynamic study of the surface of liquid mixtures containing pyridinium-based ionic liquids and alkanols
srf	0.02	N/m	303.15	Thermodynamic study of the surface of liquid mixtures containing pyridinium-based ionic liquids and alkanols
srf	0.02	N/m	313.15	Thermodynamic study of the surface of liquid mixtures containing pyridinium-based ionic liquids and alkanols
srf	0.02	N/m	323.15	Thermodynamic study of the surface of liquid mixtures containing pyridinium-based ionic liquids and alkanols

srf	0.02	N/m	298.15	Effect of temperature and composition on the surface tension and surface properties of binary mixtures containing DMSO and short chain alcohols	
srf	0.02	N/m	308.15	Effect of temperature and composition on the surface tension and surface properties of binary mixtures containing DMSO and short chain alcohols	
srf	0.02	N/m	318.15	Effect of temperature and composition on the surface tension and surface properties of binary mixtures containing DMSO and short chain alcohols	
srf	0.02	N/m	328.15	Effect of temperature and composition on the surface tension and surface properties of binary mixtures containing DMSO and short chain alcohols	
srf	0.02	N/m	303.20	Investigation of surface tension and viscosity for aqueous solutions of MEA-MeOH and DEA-MeOH	
srf	0.02	N/m	313.20	Investigation of surface tension and viscosity for aqueous solutions of MEA-MeOH and DEA-MeOH	

srf	0.02	N/m	323.20	Investigation of surface tension and viscosity for aqueous solutions of MEA-MeOH and DEA-MeOH
srf	0.02	N/m	278.20	Thermophysical Characterization of the Mixtures of the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate with 1-Propanol or 2-Propanol
srf	0.02	N/m	288.20	Thermophysical Characterization of the Mixtures of the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate with 1-Propanol or 2-Propanol
srf	0.02	N/m	298.20	Thermophysical Characterization of the Mixtures of the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate with 1-Propanol or 2-Propanol
srf	0.02	N/m	308.20	Thermophysical Characterization of the Mixtures of the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate with 1-Propanol or 2-Propanol
srf	0.02	N/m	318.20	Thermophysical Characterization of the Mixtures of the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate with 1-Propanol or 2-Propanol
srf	0.02	N/m	293.15	Density and Surface Tension of Binary Mixtures of Acetonitrile + 1-Alkanol at 293.15 K
srf	0.02	N/m	303.15	Measuring Surface Tension of Liquids at High Temperature and Elevated Pressure

srf	0.02	N/m	313.15	Measuring Surface Tension of Liquids at High Temperature and Elevated Pressure
srf	0.02	N/m	323.15	Measuring Surface Tension of Liquids at High Temperature and Elevated Pressure
srf	0.02	N/m	333.15	Measuring Surface Tension of Liquids at High Temperature and Elevated Pressure
srf	0.02	N/m	343.15	Measuring Surface Tension of Liquids at High Temperature and Elevated Pressure
srf	0.02	N/m	279.11	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	282.59	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	288.30	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	293.37	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	308.15	Surface thermodynamics of binary mixtures of aliphatic alcohols in heavy water
srf	0.02	N/m	301.54	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol

srf	0.02	N/m	307.31	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	311.76	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	317.66	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	322.90	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	326.56	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	330.01	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	333.81	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol
srf	0.02	N/m	298.15	Surface thermodynamics of binary mixtures of aliphatic alcohols in heavy water
srf	0.02	N/m	288.15	Surface thermodynamics of binary mixtures of aliphatic alcohols in heavy water
srf	0.02	N/m	293.20	KDB
srf	0.02	N/m	296.97	Measurement and Correlation of the Surface Tension-Temperature Relation for Methanol

tcondl	0.19	W/m×K	298.15	Measurement of thermal conductivities of [mmim]DMP/CH3OH and [mmim]DMP/H2O by freestanding sensor-based 3w technique

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbp	337.65	K	96.60	Low cost apparatus for rapid boiling point determination of small air sensitive samples under inert atmosphere
tbp	315.70	K	40.00	Vapor-Liquid Equilibrium Study of the Gamma-Valerolactone-Water Binary System
tbp	319.00	K	46.66	Vapor-Liquid Equilibrium Study of the Gamma-Valerolactone-Water Binary System
tbp	324.30	K	58.80	Vapor-Liquid Equilibrium Study of the Gamma-Valerolactone-Water Binary System
tbp	327.50	K	67.59	Vapor-Liquid Equilibrium Study of the Gamma-Valerolactone-Water Binary System
tbp	330.60	K	76.13	Vapor-Liquid Equilibrium Study of the Gamma-Valerolactone-Water Binary System

Correlations

Information	Value

Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.65992e+01
Coeff. B	-3.63914e+03
Coeff. C	-3.40540e+01
Temperature range (K), min.	257.16
Temperature range (K), max.	472.60

Information	**Value**
Property code	pvap
Equation	ln(Pvp) = A + B/T + C*ln(T) + D*T^2
Coeff. A	7.90941e+01
Coeff. B	-7.02920e+03
Coeff. C	-9.37282e+00
Coeff. D	7.99273e-06
Temperature range (K), min.	175.47
Temperature range (K), max.	512.58

Datasets

Thermal diffusivity, m2/s

Pressure, kPa - Liquid	**Temperature, K - Liquid**	**Thermal diffusivity, m2/s - Liquid**
0.00	299.15	9.7000e-08
370000.00	300.15	1.3500e-07
400000.00	299.85	1.3200e-07
860000.00	300.95	1.5700e-07
880000.00	299.15	1.5900e-07
1290000.00	301.05	1.7000e-07
1290000.00	301.05	1.6600e-07
1750000.00	300.75	1.8000e-07
2430000.00	299.15	1.8600e-07
3100000.00	299.15	1.9200e-07
3120000.00	299.15	1.9900e-07
4220000.00	298.15	2.1700e-07
5000000.00	299.75	2.3700e-07
5300000.00	297.95	2.1900e-07

Reference https://www.doi.org/10.1021/acs.jced.7b00222

Molar volume, m3/mol

Temperature, K - Liquid	Pressure, kPa - Liquid	Molar volume, m3/mol - Liquid
298.15	100.00	0.0000
298.15	10000.00	0.0000
313.15	100.00	0.0000
313.15	10000.00	0.0000
328.15	100.00	0.0000
328.15	10000.00	0.0000

Reference https://www.doi.org/10.1021/je800334m

Molar heat capacity at constant pressure, J/K/mol

Temperature, K - Liquid	Pressure, kPa - Liquid	Molar heat capacity at constant pressure, J/K/mol - Liquid
248.15	500.00	74.02
248.15	1000.00	74.02
248.15	2500.00	73.95
248.15	5000.00	73.89
248.15	7500.00	73.79
248.15	10000.00	73.79
248.15	12500.00	73.76
273.15	500.00	77.03
273.15	1000.00	77.00
273.15	2500.00	76.93
273.15	5000.00	76.84
273.15	7500.00	76.80
273.15	10000.00	76.77
273.15	12500.00	76.74
298.15	500.00	81.39
298.15	1000.00	81.35
298.15	2500.00	81.19
298.15	5000.00	81.07
298.15	7500.00	81.03
298.15	10000.00	80.91

298.15	12500.00	80.91
323.15	500.00	86.87
323.15	1000.00	86.80
323.15	2500.00	86.64
323.15	5000.00	86.45
323.15	7500.00	86.29
323.15	10000.00	86.13
323.15	12500.00	86.00
348.15	500.00	93.66
348.15	1000.00	93.59
348.15	2500.00	93.43
348.15	5000.00	93.18
348.15	7500.00	92.92
348.15	10000.00	92.73
348.15	12500.00	92.41
373.15	500.00	101.83
373.15	1000.00	101.76
373.15	2500.00	101.41
373.15	5000.00	101.00
373.15	7500.00	100.64
373.15	10000.00	100.23
373.15	12500.00	99.97
398.15	1000.00	111.86
398.15	2500.00	111.28
398.15	5000.00	110.38
398.15	7500.00	109.58
398.15	10000.00	108.97
398.15	12500.00	108.33
423.15	2500.00	122.98
423.15	5000.00	121.41
423.15	7500.00	120.03
423.15	10000.00	118.84
423.15	12500.00	117.85
473.15	5000.00	162.32
473.15	7500.00	152.94
473.15	10000.00	146.91
473.15	12500.00	142.75

Reference *https://www.doi.org/10.1016/j.jct.2005.03.012*

Temperature, K	Pressure, kPa	Molar heat capacity at constant pressure, J/K/mol
280.00	100.00	77.22

280.00	1000.00	74.02
280.00	5000.00	73.70
320.00	100.00	87.15
320.00	1000.00	85.87
320.00	5000.00	84.27
360.00	1000.00	97.41
360.00	5000.00	94.20
360.00	10000.00	94.52
360.00	15000.00	97.09

Reference *https://www.doi.org/10.1016/j.jct.2006.11.001*

Viscosity, Pa*s

Temperature, K - Liquid	Pressure, kPa - Liquid	Viscosity, Pa*s - Liquid
293.15	100.00	0.0005830
293.15	20000.00	0.0006460
293.15	40000.00	0.0007060
293.15	60000.00	0.0007670
293.15	80000.00	0.0008300
293.15	100000.00	0.0008940
313.15	100.00	0.0004450
313.15	20000.00	0.0004970
313.15	40000.00	0.0005460
313.15	60000.00	0.0005930
313.15	80000.00	0.0006400
313.15	100000.00	0.0006830
333.15	100.00	0.0003430
333.15	20000.00	0.0003860
333.15	40000.00	0.0004240
333.15	60000.00	0.0004620
333.15	80000.00	0.0005010
333.15	100000.00	0.0005430
353.15	20000.00	0.0003030
353.15	40000.00	0.0003370
353.15	60000.00	0.0003680
353.15	80000.00	0.0004000
353.15	100000.00	0.0004330

Reference *https://www.doi.org/10.1007/s10765-005-8089-2*

Temperature, K	Pressure, kPa	Viscosity, Pa*s
298.15	81.50	0.0005730

Reference https://www.doi.org/10.1016/j.jct.2016.12.036

Temperature, K	Amount density, mol/m3	Viscosity, Pa*s
297.64	3.79	0.0000096
312.54	3.79	0.0000101
324.75	3.79	0.0000105
338.69	3.79	0.0000110
352.91	3.79	0.0000115
352.93	3.79	0.0000114
366.84	3.79	0.0000119
381.27	3.79	0.0000124
395.39	3.79	0.0000129
411.30	3.79	0.0000134
423.50	3.79	0.0000138
440.61	3.79	0.0000144
468.85	3.79	0.0000154
496.65	3.79	0.0000163
525.41	3.79	0.0000173
547.13	3.79	0.0000180
569.26	3.79	0.0000188
597.60	3.79	0.0000198
298.16	6.32	0.0000096
312.25	6.32	0.0000101
325.91	6.32	0.0000105
339.77	6.32	0.0000110
353.30	6.32	0.0000115
355.50	6.32	0.0000115
367.84	6.32	0.0000119
382.15	6.32	0.0000124
396.23	6.32	0.0000129
411.31	6.32	0.0000134
424.73	6.32	0.0000139
440.07	6.32	0.0000144
297.43	8.17	0.0000096
311.23	8.17	0.0000100
325.15	8.17	0.0000105
338.47	8.17	0.0000110
352.62	8.17	0.0000114
353.05	8.17	0.0000115
366.82	8.17	0.0000119

381.38	8.17	0.0000124
394.76	8.17	0.0000129
412.33	8.17	0.0000135
423.31	8.17	0.0000138
437.81	8.17	0.0000143
496.40	8.17	0.0000163
525.42	8.17	0.0000173
546.79	8.17	0.0000180
602.56	8.17	0.0000199
297.41	10.1	0.0000095
313.89	10.1	0.0000101
325.22	10.1	0.0000105
338.62	10.1	0.0000109
352.86	10.1	0.0000114
353.44	10.1	0.0000115
366.59	10.1	0.0000119
380.86	10.1	0.0000124
394.63	10.1	0.0000129
409.51	10.1	0.0000134
423.96	10.1	0.0000139
437.60	10.1	0.0000143
467.33	10.1	0.0000153
496.56	10.1	0.0000163
298.54	13.2	0.0000096
314.18	13.2	0.0000101
325.76	13.2	0.0000105
339.34	13.2	0.0000110
353.22	13.2	0.0000114
353.26	13.2	0.0000114
367.10	13.2	0.0000119
380.97	13.2	0.0000124
395.40	13.2	0.0000129
409.39	13.2	0.0000133
423.77	13.2	0.0000138
438.41	13.2	0.0000143
467.74	13.2	0.0000153
496.43	13.2	0.0000163
526.39	13.2	0.0000173
546.84	13.2	0.0000180
567.40	13.2	0.0000187
596.93	13.2	0.0000197
301.53	17.93	0.0000097
311.12	17.93	0.0000100
325.59	17.93	0.0000105

339.25	17.93	0.0000109
353.58	17.93	0.0000114
355.67	17.93	0.0000115
366.93	17.93	0.0000119
381.53	17.93	0.0000124
395.23	17.93	0.0000128
412.01	17.93	0.0000134
424.38	17.93	0.0000138
439.47	17.93	0.0000143
468.08	17.93	0.0000153
496.41	17.93	0.0000163
527.99	17.93	0.0000173
548.52	17.93	0.0000181
571.83	17.93	0.0000189
597.15	17.93	0.0000197
299.92	24.58	0.0000096
310.88	24.58	0.0000099
325.98	24.58	0.0000104
340.14	24.58	0.0000109
353.71	24.58	0.0000114
355.05	24.58	0.0000114
368.03	24.58	0.0000119
383.55	24.58	0.0000124
395.18	24.58	0.0000128
409.75	24.58	0.0000133
424.41	24.58	0.0000138
439.20	24.58	0.0000143
466.95	24.58	0.0000153
496.44	24.58	0.0000163
526.84	24.58	0.0000173
299.79	32.22	0.0000096
311.60	32.22	0.0000100
324.78	32.22	0.0000104
338.66	32.22	0.0000108
353.78	32.22	0.0000114
355.04	32.22	0.0000114
366.99	32.22	0.0000118
381.92	32.22	0.0000124
395.16	32.22	0.0000128
410.18	32.22	0.0000133
423.88	32.22	0.0000138
439.16	32.22	0.0000143
467.62	32.22	0.0000153
496.97	32.22	0.0000163

526.17	32.22	0.0000173
547.30	32.22	0.0000180
567.53	32.22	0.0000187
597.12	32.22	0.0000197
297.92	38.68	0.0000096
311.60	38.68	0.0000100
326.88	38.68	0.0000104
338.72	38.68	0.0000108
353.06	38.68	0.0000113
353.18	38.68	0.0000113
367.87	38.68	0.0000118
381.90	38.68	0.0000123
395.37	38.68	0.0000128
410.35	38.68	0.0000133
425.10	38.68	0.0000138
441.61	38.68	0.0000144
467.34	38.68	0.0000153
496.21	38.68	0.0000163
527.02	38.68	0.0000173
547.49	38.68	0.0000180
568.11	38.68	0.0000187
598.60	38.68	0.0000198
298.71	49.53	0.0000096
314.20	49.53	0.0000100
324.77	49.53	0.0000104
338.81	49.53	0.0000108
352.35	49.53	0.0000113
353.20	49.53	0.0000113
367.81	49.53	0.0000118
381.27	49.53	0.0000123
394.88	49.53	0.0000128
411.32	49.53	0.0000134
423.52	49.53	0.0000138
439.56	49.53	0.0000143
467.49	49.53	0.0000153
496.48	49.53	0.0000163
525.14	49.53	0.0000172
548.04	49.53	0.0000180
569.93	49.53	0.0000187
597.28	49.53	0.0000197

Reference *https://www.doi.org/10.1021/je050429b*

Pressure, kPa	**Temperature, K**	**Viscosity, Pa*s**

101.00	297.80	0.0005463

Reference https://www.doi.org/10.1021/je1011828

Pressure, kPa	Temperature, K	Viscosity, Pa*s
101.00	303.15	0.0005230

Reference https://www.doi.org/10.1021/je900656c

Refractive index (Na D-line)

Pressure, kPa - Liquid	Temperature, K - Liquid	Refractive index (Na D-line) - Liquid
100.00	298.15	1.3267

Reference https://www.doi.org/10.1016/j.jct.2016.01.012

Temperature, K	Pressure, kPa	Refractive index (Na D-line)
298.15	100.00	1.32655

Reference https://www.doi.org/10.1016/j.jct.2018.02.005

Mass density, kg/m3

Temperature, K - Liquid	Pressure, kPa - Liquid	Mass density, kg/m3 - Liquid
298.26	235.00	785.98
298.26	5000.00	790.69
298.26	9999.00	795.4
298.26	15013.00	799.88
298.26	19987.00	804.1
298.26	25008.00	808.17
298.26	29997.00	812.04
298.26	34991.00	815.76
298.26	39981.00	819.34
323.22	270.00	762.14
323.22	4990.00	767.53

323.22	9984.00	772.87
323.22	14982.00	777.91
323.22	19989.00	782.69
323.22	24986.00	787.21
323.22	29995.00	791.53
323.22	34987.00	795.64
323.22	39993.00	799.6
348.25	366.00	737.29
348.25	4987.00	743.46
348.25	9986.00	749.65
348.25	14991.00	755.42
348.25	20004.00	760.84
348.25	25020.00	765.94
348.25	30013.00	770.76
348.25	34989.00	775.32
348.25	40000.00	779.7
373.26	534.00	710.55
373.26	4983.00	717.67
373.26	9990.00	724.99
373.26	14998.00	731.69
373.26	19985.00	737.88
373.26	24994.00	743.68
373.26	29997.00	749.13
373.26	35001.00	754.27
373.26	39996.00	759.14
398.28	934.00	680.93
398.28	4984.00	689.0
398.28	9998.00	697.91
398.28	14986.00	705.88
398.28	19987.00	713.16
398.28	24992.00	719.87
398.28	29991.00	726.11
398.28	35005.00	731.99
398.28	40004.00	737.47

Reference *https://www.doi.org/10.1016/j.jct.2005.02.004*

Temperature, K	Pressure, kPa	Mass density, kg/m3
298.15	100.00	792.6
298.15	5000.00	796.2
298.15	9900.00	801.0
298.15	19700.00	808.4
298.15	29500.00	816.0

298.15	39300.00	823.8
298.15	49100.00	830.0
298.15	58900.00	836.3
323.15	100.00	770.3
323.15	5000.00	774.2
323.15	9900.00	778.2
323.15	19700.00	787.0
323.15	29500.00	795.0
323.15	39300.00	803.4
323.15	49100.00	811.0
323.15	58900.00	818.2
348.15	5000.00	748.9
348.15	9900.00	753.9
348.15	19700.00	764.1
348.15	29500.00	773.1
348.15	39300.00	782.6
348.15	49100.00	790.9
348.15	58900.00	798.9
373.15	5000.00	721.1
373.15	9900.00	727.7
373.15	19700.00	739.3
373.15	29500.00	750.4
373.15	39300.00	760.2
373.15	49100.00	769.6
373.15	58900.00	778.2
398.15	5000.00	690.0
398.15	9900.00	697.6
398.15	19700.00	712.8
398.15	29500.00	725.4
398.15	39300.00	736.0
398.15	49100.00	747.2
398.15	58900.00	757.0
423.15	5000.00	652.8
423.15	9900.00	665.2
423.15	19700.00	683.6
423.15	29500.00	698.8
423.15	39300.00	710.8
423.15	49100.00	723.9
423.15	58900.00	735.0
448.15	5000.00	610.4
448.15	9900.00	628.9
448.15	19700.00	652.4
448.15	29500.00	670.8
448.15	39300.00	685.6

448.15	49100.00	700.0
448.15	58900.00	713.0
473.15	5000.00	553.4
473.15	9900.00	585.0
473.15	19700.00	620.2
473.15	29500.00	642.0
473.15	39300.00	660.6
473.15	49100.00	677.2
473.15	58900.00	691.2
498.15	9900.00	525.0
498.15	19700.00	584.8
498.15	29500.00	613.4
498.15	39300.00	636.0
498.15	49100.00	655.0
498.15	58900.00	670.0

Reference *https://www.doi.org/10.1016/j.jct.2005.03.006*

Temperature, K	Pressure, kPa	Mass density, kg/m3
298.26	235.00	785.98
298.26	5000.00	790.69
298.26	9999.00	795.4
298.26	15013.00	799.88
298.26	19987.00	804.1
298.26	25008.00	808.17
298.26	29997.00	812.04
298.26	34991.00	815.76
298.26	39981.00	819.34
323.22	270.00	762.14
323.22	4990.00	767.53
323.22	9984.00	772.87
323.22	14982.00	777.91
323.22	19989.00	782.69
323.22	24986.00	787.21
323.22	29995.00	791.53
323.22	34987.00	795.64
323.22	39993.00	799.6
348.25	366.00	737.29
348.25	4987.00	743.46
348.25	9986.00	749.65
348.25	14991.00	755.42
348.25	20004.00	760.84
348.25	25020.00	765.94

348.25	30013.00	770.76
348.25	34989.00	775.32
348.25	40000.00	779.7
373.26	534.00	710.55
373.26	4983.00	717.67
373.26	9990.00	724.99
373.26	14998.00	731.69
373.26	19985.00	737.88
373.26	24994.00	743.68
373.26	29997.00	749.13
373.26	35001.00	754.27
373.26	39996.00	759.14
398.28	934.00	680.93
398.28	4984.00	689.0
398.28	9998.00	697.91
398.28	14986.00	705.88
398.28	19987.00	713.16
398.28	24992.00	719.87
398.28	29991.00	726.11
398.28	35005.00	731.99
398.28	40004.00	737.47

Reference *https://www.doi.org/10.1016/j.jct.2005.05.003*

Pressure, kPa	Temperature, K	Mass density, kg/m3
1000.00	303.20	783.0
2000.00	303.20	784.0
3000.00	303.20	785.0
4000.00	303.20	786.0
5000.00	303.20	787.0
6000.00	303.20	788.0
7000.00	303.20	788.9
8000.00	303.20	789.9
9000.00	303.20	790.9
10000.00	303.20	791.8
1000.00	323.20	762.8
2000.00	323.20	763.9
3000.00	323.20	765.0
4000.00	323.20	766.2
5000.00	323.20	767.3
6000.00	323.20	768.3
7000.00	323.20	769.4
8000.00	323.20	770.5

9000.00	323.20	771.5
10000.00	323.20	772.6

Reference https://www.doi.org/10.1016/j.jct.2012.10.002

Temperature, K	Pressure, kPa	Mass density, kg/m3
298.15	100.00	786.57

Reference https://www.doi.org/10.1016/j.jct.2017.07.026

Temperature, K	Pressure, kPa	Mass density, kg/m3
298.15	100.00	786.53

Reference https://www.doi.org/10.1016/j.jct.2018.07.013

Temperature, K	Pressure, kPa	Mass density, kg/m3
288.15	100.00	796.19
288.15	5000.00	800.57
288.15	10000.00	804.93
288.15	15000.00	808.85
288.15	20000.00	812.92
288.15	25000.00	816.56
288.15	30000.00	820.09
288.15	35000.00	823.62
288.15	40000.00	827.04
293.15	100.00	791.18
293.15	5000.00	795.97
293.15	10000.00	800.47
293.15	15000.00	804.52
293.15	20000.00	808.43
293.15	25000.00	812.34
293.15	30000.00	815.93
293.15	35000.00	819.32
293.15	40000.00	822.48
298.15	100.00	786.76
298.15	5000.00	791.52
298.15	10000.00	795.8
298.15	15000.00	800.13
298.15	20000.00	804.18
298.15	25000.00	808.04
298.15	30000.00	811.69

298.15	35000.00	815.2
298.15	40000.00	818.33
303.15	100.00	782.07
303.15	5000.00	786.79
303.15	10000.00	791.31
303.15	15000.00	795.85
303.15	20000.00	800.16
303.15	25000.00	804.08
303.15	30000.00	807.78
303.15	35000.00	811.31
303.15	40000.00	814.7
308.15	100.00	777.09
308.15	5000.00	781.85
308.15	10000.00	786.63
308.15	15000.00	791.23
308.15	20000.00	795.58
308.15	25000.00	799.85
308.15	30000.00	803.73
308.15	35000.00	807.42
308.15	40000.00	811.08

Reference *https://www.doi.org/10.1016/j.jct.2019.02.011*

Temperature, K	Pressure, kPa	Mass density, kg/m3
298.15	81.50	786.55

Reference *https://www.doi.org/10.1021/acs.jced.5b00162*

Temperature, K	Pressure, kPa	Mass density, kg/m3
293.15	100.00	791.15
293.15	5000.00	795.92
293.15	10000.00	800.41
293.15	15000.00	804.64
293.15	20000.00	808.67
293.15	25000.00	812.52
293.15	30000.00	816.25
293.15	35000.00	819.89
303.15	100.00	781.84
303.15	5000.00	786.9
303.15	10000.00	791.61
303.15	15000.00	796.01
303.15	20000.00	800.14

303.15	25000.00	804.05
303.15	30000.00	807.78
303.15	35000.00	811.37
313.15	100.00	772.35
313.15	5000.00	777.48
313.15	10000.00	782.37
313.15	15000.00	786.99
313.15	20000.00	791.38
313.15	25000.00	795.59
313.15	30000.00	799.69
313.15	35000.00	803.73

Reference *https://www.doi.org/10.1021/acs.jced.8b00975*

Pressure, kPa	Temperature, K	Mass density, kg/m3
100.00	283.15	800.54
100.00	293.15	791.23
100.00	298.15	786.51
100.00	303.15	781.96
100.00	313.15	772.43
100.00	318.15	767.47
100.00	323.15	762.78
100.00	328.15	757.83
100.00	333.15	752.96
2500.00	283.15	802.75
2500.00	293.15	793.52
2500.00	298.15	788.81
2500.00	303.15	784.36
2500.00	313.15	774.99
2500.00	318.15	770.09
2500.00	323.15	765.48
2500.00	328.15	760.61
2500.00	333.15	755.84
5000.00	283.15	804.88
5000.00	293.15	795.8
5000.00	298.15	791.18
5000.00	303.15	786.78
5000.00	313.15	777.53
5000.00	318.15	772.74
5000.00	323.15	768.2
5000.00	328.15	763.41
5000.00	333.15	758.73
10000.00	283.15	809.06

10000.00	293.15	800.17
10000.00	298.15	795.7
10000.00	303.15	791.48
10000.00	313.15	782.45
10000.00	318.15	777.79
10000.00	323.15	773.39
10000.00	328.15	768.75
10000.00	333.15	764.21
15000.00	283.15	813.06
15000.00	293.15	804.36
15000.00	298.15	800.02
15000.00	303.15	795.84
15000.00	313.15	787.08
15000.00	318.15	782.57
15000.00	323.15	778.3
15000.00	328.15	773.73
15000.00	333.15	769.39
20000.00	283.15	816.88
20000.00	293.15	808.39
20000.00	298.15	804.15
20000.00	303.15	799.97
20000.00	313.15	791.5
20000.00	318.15	787.09
20000.00	323.15	782.93
20000.00	328.15	778.49
20000.00	333.15	774.25
25000.00	283.15	820.6
25000.00	293.15	812.25
25000.00	298.15	808.1
25000.00	303.15	803.95
25000.00	313.15	795.74
25000.00	318.15	791.43
25000.00	323.15	787.34
25000.00	328.15	783.03
25000.00	333.15	778.87
30000.00	283.15	824.14
30000.00	293.15	815.94
30000.00	298.15	811.88
30000.00	303.15	807.83
30000.00	313.15	799.72
30000.00	323.15	791.56
30000.00	333.15	783.33
35000.00	283.15	827.58
35000.00	293.15	819.55

35000.00	298.15	815.52
35000.00	303.15	811.51
35000.00	313.15	803.62
35000.00	323.15	795.6
35000.00	333.15	787.53

Reference *https://www.doi.org/10.1021/je700188w*

Speed of sound, m/s

Temperature, K - Liquid	Pressure, kPa - Liquid	Speed of sound, m/s - Liquid
253.15	101.00	1259.391
253.15	5031.00	1283.569
253.15	10064.00	1307.272
253.15	15070.00	1329.88
253.15	20048.00	1351.494
253.15	25130.00	1372.789
253.15	30260.00	1393.514
273.15	101.00	1187.324
273.15	5017.00	1213.77
273.15	10158.00	1240.041
273.15	15070.00	1264.004
273.15	20132.00	1287.633
273.15	25155.00	1310.139
273.15	30074.00	1331.42
293.15	101.00	1119.106
293.15	5028.00	1147.798
293.15	10032.00	1175.493
293.15	15145.00	1202.422
293.15	20159.00	1227.564
293.15	25062.00	1251.109
293.15	30276.00	1275.096
313.15	101.00	1053.178
313.15	5046.00	1084.848
313.15	10127.00	1115.409
313.15	15085.00	1143.55
313.15	19989.00	1169.962
313.15	25090.00	1196.105
313.15	30009.00	1220.145
333.15	101.00	988.923
333.15	5029.00	1023.676

333.15	10110.00	1056.926
333.15	15215.00	1088.157
333.15	20093.00	1116.297
333.15	25061.00	1143.501
333.15	30122.00	1169.869
353.15	197.00	925.583
353.15	5097.00	963.758
353.15	10106.00	999.623
353.15	15143.00	1033.012
353.15	20216.00	1064.48
353.15	25221.00	1093.69
353.15	30092.00	1120.591

Reference *https://www.doi.org/10.1016/j.jct.2015.10.006*

Temperature, K	Pressure, kPa	Speed of sound, m/s
299.95	99.00	1096.3
220.38	100.00	1387.9
244.25	125.00	1294.5
349.98	201.00	935.8
244.27	761.00	1297.5
399.94	798.00	770.2
299.94	963.00	1101.7
349.98	970.00	941.9
399.94	1015.00	772.5
220.41	1023.00	1391.8
244.28	1200.00	1299.5
220.39	1839.00	1395.3
244.30	1980.00	1303.2
349.98	1998.00	949.9
399.94	2112.00	784.4
299.94	2240.00	1109.5
450.22	2562.00	568.3
349.98	4864.00	971.5
450.19	4910.00	608.8
244.31	5110.00	1317.8
399.93	5110.00	815.0
299.95	5128.00	1126.7
399.92	9339.00	854.2
500.06	9535.00	412.8
244.32	9712.00	1338.5
349.97	9858.00	1006.8
299.95	9896.00	1153.8

220.96	10454.00	1428.5
450.22	14312.00	730.4
499.98	19828.00	611.1
349.99	19881.00	1070.5
220.46	20095.00	1467.9
450.20	20347.00	794.1
299.96	21093.00	1212.5
399.92	21337.00	948.3
499.94	28092.00	708.5
500.06	30612.00	733.2
450.18	39568.00	943.1
499.94	40326.00	818.5
220.39	40357.00	1540.1
299.96	40780.00	1302.9
350.00	41608.00	1186.3
399.89	42375.00	1078.3
299.95	58877.00	1375.6
450.17	59905.00	1062.6
499.94	60313.00	955.4
349.95	60336.00	1270.3
220.26	60890.00	1606.5
399.90	61164.00	1172.4
220.38	69376.00	1631.5
220.37	69581.00	1632.2
450.20	72355.00	1124.9
299.94	80229.00	1452.1
399.91	81158.00	1258.6
349.96	82312.00	1356.2
399.93	84741.00	1273.4
399.73	98358.00	1325.1
299.95	98460.00	1511.3
349.96	99275.00	1415.9
220.37	111490.00	1746.8
399.91	122977.00	1409.6
299.96	123414.00	1585.5
349.97	124114.00	1495.1

Reference *https://www.doi.org/10.1021/acs.jced.8b00938*

Sources

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Solid-liquid equilibrium data for the binary system methacrylic acid [illegible]	https://www.doi.org/10.1016/j.fluid.2011.09.002
[illegible] Ionic Liquid [illegible] (Alcohol + Water) Mixtures from (293.15 to 333.15) K [illegible]	https://www.doi.org/10.1021/je900435t
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[illegible] Anthracene Dissolved in Alcohol + Acetonitrile Mixtures at 298.2 K	https://www.doi.org/10.1021/je020216b
Ternary liquid-liquid equilibria for systems containing (dimethyl carbonate or methyl acetate + [illegible] 1-Ethyl-3-methylimidazolium [illegible]	https://www.doi.org/10.1016/j.jct.2018.02.012
Isobaric vapor-liquid equilibria of the binary mixtures propylene glycol methyl ether + [illegible] methyl acetate + propylene glycol methyl ether and [illegible]	https://www.doi.org/10.1016/j.fluid.2014.01.022
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Measurement and Correlation of the [illegible] in Seven [illegible]	https://www.doi.org/10.1021/acs.jced.7b00669
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Solubility and Thermodynamic Properties of Vinpocetine in Nine Pure Solvents and Ethanol + Water Binary [illegible]	https://www.doi.org/10.1021/acs.jced.8b00663
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Activity coefficients at infinite dilution of organic solutes in the ionic liquid [illegible] trifluoromethanesulfonate using gas liquid chromatography at T = (313.15, [illegible]) K	https://www.doi.org/10.1016/j.jct.2009.07.010
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[illegible] for azeotropic mixture of methyl tert-butyl ether and [illegible]	https://www.doi.org/10.1016/j.jct.2018.12.029
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Phase behavior of the ternary 1-hexyl-3-methylimidazolium [illegible] + carbon dioxide + methanol system	https://www.doi.org/10.1016/j.fluid.2010.02.005
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Legend

af:	Acentric Factor
affp:	Proton affinity
aigt:	Autoignition Temperature
basg:	Gas basicity
chg:	Standard gas enthalpy of combustion
chl:	Standard liquid enthalpy of combustion
cpg:	Ideal gas heat capacity
cpl:	Liquid phase heat capacity
cps:	Solid phase heat capacity
dm:	Dipole Moment
dvisc:	Dynamic viscosity
fll:	Lower Flammability Limit
flu:	Upper Flammability Limit
fpc:	Flash Point (Closed Cup Method)
fpo:	Flash Point (Open Cup Method)
gf:	Standard Gibbs free energy of formation
gyrad:	Radius of Gyration
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
nfpaf:	NFPA Fire Rating

nfpah: NFPA Health Rating
pc: Critical Pressure
pvap: Vapor pressure
rfi: Refractive Index
rhol: Liquid Density
rinpol: Non-polar retention indices
ripol: Polar retention indices
sfust: Entropy of fusion at a given temperature
sl: Liquid phase molar entropy at standard conditions
speedsl: Speed of sound in fluid
srf: Surface Tension
ss: Solid phase molar entropy at standard conditions
tb: Normal Boiling Point Temperature
tbp: Boiling point at given pressure
tc: Critical Temperature
tcondl: Liquid thermal conductivity
tdiff: Thermal diffusivity
tf: Normal melting (fusion) point
tt: Triple Point Temperature
vc: Critical Volume
volm: Molar Volume
zc: Critical Compressibility
zra: Rackett Parameter

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