Dimethyl Sulfoxide

Other names:

(CH3)2SO
A 10846
DEMSODROX
DMS 70
DMS 90
DMSO
DMSO (methyl sulfoxide)
Deltan
Demasorb
Demavet
Demeso
Dermasorb
Dimethyl sulfur oxide
Dimethyl sulphoxide
Dimexide
Dipirartril-tropico
Dolicur
Doligur
Domoso
Dromisol
Durasorb
Gamasol 90
Herpid
Hyadur
Infiltrina
Kemsol
M 176
Methane, 1,1'-sulfinylbis-
Methane, sulfinylbis-
Methyl sulfoxide
Methylsulfinylmethane
NSC-763
Rimso 50
SQ 9453
SULFINYLBISMETHANE
Sclerosol
Somipront
Sulfoxide, dimethyl
Sulphinylbis methane
Syntexan

	Topsym
Inchi:	InChI=1S/C2H6OS/c1-4(2)3/h1-2H3
InchiKey:	IAZDPXIOMUYVGZ-UHFFFAOYSA-N
Formula:	C2H6OS
SMILES:	CS(C)=O
Mol. weight [g/mol]:	78.13
CAS:	67-68-5

Physical Properties

Property code	Value	Unit	Source
affp	884.40	kJ/mol	NIST Webbook
basg	853.70	kJ/mol	NIST Webbook
chl	-2037.30 ± 1.30	kJ/mol	NIST Webbook
ea	0.01 ± 0.00	eV	NIST Webbook
ea	0.01	eV	NIST Webbook
gf	-251.75	kJ/mol	Joback Method
hf	-150.50 ± 1.50	kJ/mol	NIST Webbook
hfl	-203.40 ± 1.40	kJ/mol	NIST Webbook
hfus	8.69	kJ/mol	Joback Method
hvap	52.90 ± 0.40	kJ/mol	NIST Webbook
hvap	52.90 ± 0.40	kJ/mol	NIST Webbook
ie	9.11	eV	NIST Webbook
ie	9.01	eV	NIST Webbook
ie	9.10	eV	NIST Webbook
ie	9.20 ± 0.05	eV	NIST Webbook
ie	9.01	eV	NIST Webbook
ie	9.90 ± 0.10	eV	NIST Webbook
ie	9.08 ± 0.09	eV	NIST Webbook
ie	9.20	eV	NIST Webbook
ie	9.10	eV	NIST Webbook
log10ws	0.70		Crippen Method
logp	-0.005		Crippen Method
mcvol	61.260	ml/mol	McGowan Method
nfpaf	%!d(float64=1)		KDB
nfpah	%!d(float64=1)		KDB
pc	5704.58	kPa	Joback Method
rinpol	790.00		NIST Webbook
rinpol	777.00		NIST Webbook
rinpol	782.00		NIST Webbook
rinpol	820.50		NIST Webbook

rinpol	829.20		NIST Webbook
rinpol	786.60		NIST Webbook
rinpol	820.10		NIST Webbook
rinpol	780.00		NIST Webbook
rinpol	772.00		NIST Webbook
rinpol	780.00		NIST Webbook
rinpol	827.00		NIST Webbook
rinpol	784.00		NIST Webbook
rinpol	784.00		NIST Webbook
rinpol	782.00		NIST Webbook
rinpol	780.00		NIST Webbook
rinpol	787.00		NIST Webbook
rinpol	784.00		NIST Webbook
ripol	1550.00		NIST Webbook
ripol	1584.00		NIST Webbook
ripol	1569.10		NIST Webbook
ripol	1560.00		NIST Webbook
ripol	1560.00		NIST Webbook
ripol	1560.00		NIST Webbook
ripol	1569.00		NIST Webbook
ripol	1560.00		NIST Webbook
ripol	1553.00		NIST Webbook
ripol	1582.30		NIST Webbook
ripol	1576.00		NIST Webbook
ripol	1563.00		NIST Webbook
ripol	1582.00		NIST Webbook
ripol	1553.00		NIST Webbook
ripol	1549.00		NIST Webbook
ripol	1596.00		NIST Webbook
ripol	1603.00		NIST Webbook
ripol	1595.00		NIST Webbook
ripol	1569.00		NIST Webbook
ripol	1554.00		NIST Webbook
ripol	1579.00		NIST Webbook
ripol	1582.00		NIST Webbook
sl	188.78	J/mol×K	NIST Webbook
tb	462.24	K	Experimental isobaric vapor-liquid equilibrium for the binary and ternary systems with methanol, methyl acetate and dimethyl sulfoxide at 101.3 kPa

tb	462.19	K	Excess enthalpies and (vapour + liquid) equilibrium data for the binary mixtures of dimethylsulphoxide with ketones
tb	463.27	K	Isobaric vapor-liquid equilibrium of a ternary system of ethyl acetate + propyl acetate + dimethyl sulfoxide and binary systems of ethyl acetate + dimethyl sulfoxide and propyl acetate + dimethyl sulfoxide at 101.3 kPa
tb	463.17	K	Experimental isobaric vapour-liquid equilibrium data for the binary system (N, N-dimethyl acetamide + dimethyl sulfoxide) and the quaternary system (sec-butyl acetate + sec-butyl alcohol + N, N-dimethyl acetamide + dimethyl sulfoxide) at 101.3 kPa
tb	462.19	K	Excess molar enthalpies of dimethylsulfoxide with chloroethanes and chloroethenes at 298.15K
tb	463.38	K	Vapor Liquid Equilibria for Ternary Mixtures of Isopropyl Alcohol, Isopropyl Acetate, and DMSO at 101.3 kPa
tb	463.85	K	Isobaric Vapor Liquid Equilibrium for the Binary and Ternary System with Isobutyl Alcohol, Isobutyl Acetate and Dimethyl Sulfoxide at 101.3 kPa
tb	462.06	K	Vapor-Liquid Equilibria for the Ternary System Acetonitrile + 1-Propanol + Dimethyl Sulfoxide and the Corresponding Binary Systems at 101.3 kPa
tb	462.25	K	Isobaric Vapor Liquid Equilibrium of Binary and Ternary Systems with 2-Ethoxyethanol + Ethylbenzene + Dimethyl Sulfoxide
tb	462.18	K	Isobaric vapor-liquid equilibrium for binary and ternary systems with toluene, 2-methoxyethanol and dimethyl sulfoxide at 101.3 kPa

tb	461.92	K	Vapor liquid equilibria for water + acetic acid + (N,N-dimethylformamide or dimethyl sulfoxide) at 13.33 kPa
tb	462.19	K	Isobaric Vapor Liquid Equilibrium for Dimethylsulfoxide with Chloroethanes and Chloroethenes
tc	718.00	K	Critical temperatures and pressures of caprolactam, dimethyl sulfoxide, 1,4-dimethylpiperazine, and 2,6-dimethylpiperazine
tf	291.65 ± 0.20	K	NIST Webbook
tf	291.66	K	Phase Equilibria of (1-Ethyl-3-methylimidazolium Ethylsulfate + Hydrocarbon, + Ketone, and + Ether) Binary Systems
tf	291.65 ± 0.40	K	NIST Webbook
tf	291.57 ± 0.20	K	NIST Webbook
tf	290.95	K	Efficient determination of crystallisation and melting points at low cooling and heating rates with novel computer controlled equipment
tt	291.67	K	KDB
tt	291.59 ± 0.10	K	NIST Webbook
tt	291.67 ± 0.06	K	NIST Webbook
vc	0.237	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	116.06	J/mol×K	478.96	Joback Method
cpg	106.76	J/mol×K	420.45	Joback Method
cpg	101.92	J/mol×K	391.20	Joback Method
cpg	96.95	J/mol×K	361.95	Joback Method
cpg	91.87	J/mol×K	332.69	Joback Method
cpg	111.48	J/mol×K	449.71	Joback Method
cpg	86.68	J/mol×K	303.44	Joback Method

cpl	159.30	J/mol×K	338.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	158.50	J/mol×K	333.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	157.80	J/mol×K	328.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	159.50	J/mol×K	343.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	160.20	J/mol×K	348.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	160.30	J/mol×K	353.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	161.30	J/mol×K	358.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	

cpl	161.50	J/mol×K	363.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	161.70	J/mol×K	368.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	162.60	J/mol×K	373.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	163.30	J/mol×K	378.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	164.80	J/mol×K	383.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	166.30	J/mol×K	388.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	168.30	J/mol×K	393.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	

cpl	169.10	J/mol×K	398.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	170.30	J/mol×K	403.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	170.40	J/mol×K	408.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	170.60	J/mol×K	413.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	171.10	J/mol×K	418.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	171.20	J/mol×K	423.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	

cpl	145.00	J/mol×K	293.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	145.40	J/mol×K	298.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	146.70	J/mol×K	303.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	148.50	J/mol×K	308.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure

cpl	149.40	J/mol×K	313.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	150.30	J/mol×K	318.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	151.50	J/mol×K	323.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	152.60	J/mol×K	328.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	

cpl	154.10	J/mol×K	333.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	151.20	J/mol×K	293.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	156.80	J/mol×K	343.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	158.20	J/mol×K	348.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	159.60	J/mol×K	353.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	

cpl	160.60	J/mol×K	358.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	160.90	J/mol×K	363.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	161.30	J/mol×K	368.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	161.70	J/mol×K	373.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	

cpl	161.80	J/mol×K	378.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	162.70	J/mol×K	383.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
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cpl	164.20	J/mol×K	393.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure

cpl	165.30	J/mol×K	398.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	166.60	J/mol×K	403.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	167.40	J/mol×K	408.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	168.10	J/mol×K	413.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	

cpl	169.00	J/mol×K	418.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	172.20	J/mol×K	423.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	146.80	J/mol×K	288.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + 1-Propanol at (288.15, 298.15, and 308.15) K and at Normal Pressure	
cpl	157.70	J/mol×K	323.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	154.60	J/mol×K	308.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + 1-Propanol at (288.15, 298.15, and 308.15) K and at Normal Pressure	

cpl	149.90	J/mol×K	288.15	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Tetrahydropyran and + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K
cpl	150.40	J/mol×K	293.15	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Tetrahydropyran and + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K
cpl	151.50	J/mol×K	298.15	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Tetrahydropyran and + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K
cpl	152.20	J/mol×K	303.15	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Tetrahydropyran and + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K

cpl	152.90	J/mol×K	308.15	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Tetrahydropyran and + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K
cpl	153.70	J/mol×K	313.15	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Tetrahydropyran and + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K
cpl	154.70	J/mol×K	318.15	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Tetrahydropyran and + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K
cpl	155.60	J/mol×K	323.15	Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Tetrahydropyran and + 2-Methyltetrahydrofuran at (293.15, 303.15, and 313.15) K
cpl	149.39	J/mol×K	298.15	NIST Webbook
cpl	148.28	J/mol×K	298.15	NIST Webbook
cpl	153.60	J/mol×K	298.15	NIST Webbook
cpl	153.20	J/mol×K	298.15	NIST Webbook

cpl	156.60	J/mol×K	318.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	155.90	J/mol×K	298.15	NIST Webbook	
cpl	153.18	J/mol×K	298.15	NIST Webbook	
cpl	149.00	J/mol×K	298.15	NIST Webbook	
cpl	152.40	J/mol×K	298.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + 1-Propanol at (288.15, 298.15, and 308.15) K and at Normal Pressure	
cpl	155.40	J/mol×K	313.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	154.80	J/mol×K	308.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	153.40	J/mol×K	303.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	
cpl	152.40	J/mol×K	298.15	Thermophysical properties of dimethyl sulfoxide + cyclic and linear ethers at 308.15K Application of an extended cell model	

cpl	155.90	J/mol×K	298.15	NIST Webbook
cpl	155.30	J/mol×K	338.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
dvisc	0.0019790	Pa×s	298.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0016220	Pa×s	308.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0013814	Pa×s	318.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0012070	Pa×s	328.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0018320	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	0.0016696	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	0.0015373	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	0.0014080	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	0.0012890	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	0.0019960	Pa×s	298.15	On the density and viscosity of (water + dimethylsulphoxide) binary mixtures
dvisc	0.0018357	Pa×s	303.15	On the density and viscosity of (water + dimethylsulphoxide) binary mixtures
dvisc	0.0016689	Pa×s	308.15	On the density and viscosity of (water + dimethylsulphoxide) binary mixtures
dvisc	0.0015351	Pa×s	313.15	On the density and viscosity of (water + dimethylsulphoxide) binary mixtures

dvisc	0.0013935	Pa×s	318.15	On the density and viscosity of (water + dimethylsulphoxide) binary mixtures
dvisc	0.0022100	Pa×s	293.15	Viscosity of binary mixtures of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid with four organic solvents
dvisc	0.0018430	Pa×s	303.15	Viscosity of binary mixtures of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid with four organic solvents
dvisc	0.0015560	Pa×s	313.15	Viscosity of binary mixtures of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid with four organic solvents
dvisc	0.0013370	Pa×s	323.15	Viscosity of binary mixtures of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid with four organic solvents
dvisc	0.0011650	Pa×s	333.15	Viscosity of binary mixtures of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid with four organic solvents
dvisc	0.0010280	Pa×s	343.15	Viscosity of binary mixtures of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid with four organic solvents
dvisc	0.0009170	Pa×s	353.15	Viscosity of binary mixtures of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid with four organic solvents

dvisc	0.0016550	Pa×s	308.15	THERMODYNAMIC INTERACTIONS OF POTASSIUM FLUORIDE IN AQUEOUS DIMETHYL SULFOXIDE SOLUTIONS AT DIFFERENT TEMPERATURES
dvisc	0.0013920	Pa×s	318.15	THERMODYNAMIC INTERACTIONS OF POTASSIUM FLUORIDE IN AQUEOUS DIMETHYL SULFOXIDE SOLUTIONS AT DIFFERENT TEMPERATURES
dvisc	0.0022100	Pa×s	293.15	Viscosities of 1-Hexyl-3-methylimidazolium Tetrafluoroborate and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0020120	Pa×s	298.15	Viscosity of binary mixtures of 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid with four organic solvents
dvisc	0.0016689	Pa×s	308.15	Density and Viscosity of Anhydrous Mixtures of Dimethylsulfoxide with Acetonitrile in the Range (298.15 to 318.15) K
dvisc	0.0020100	Pa×s	298.15	Viscosities of 1-Hexyl-3-methylimidazolium Tetrafluoroborate and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0018400	Pa×s	303.15	Viscosities of 1-Hexyl-3-methylimidazolium Tetrafluoroborate and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile

dvisc	0.0015600	Pa×s	313.15	Viscosities of 1-Hexyl-3-methylimidazolium Tetrafluoroborate and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0013400	Pa×s	323.15	Viscosities of 1-Hexyl-3-methylimidazolium Tetrafluoroborate and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0011700	Pa×s	333.15	Viscosities of 1-Hexyl-3-methylimidazolium Tetrafluoroborate and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0010300	Pa×s	343.15	Viscosities of 1-Hexyl-3-methylimidazolium Tetrafluoroborate and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0009200	Pa×s	353.15	Viscosities of 1-Hexyl-3-methylimidazolium Tetrafluoroborate and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0019890	Pa×s	298.15	Excess Enthalpies, Heat Capacities, Densities, Viscosities and Refractive Indices of Dimethyl Sulfoxide + Three Aryl Alcohols at 308.15 K and Atmospheric Pressure

dvisc	0.0016450	Pa×s	308.15	Excess Enthalpies, Heat Capacities, Densities, Viscosities and Refractive Indices of Dimethyl Sulfoxide + Three Aryl Alcohols at 308.15 K and Atmospheric Pressure
dvisc	0.0020418	Pa×s	298.15	Densities, Viscosities, and Sound Speeds of Some Acetate Salts in Binary Mixtures of Tetrahydrofuran and Methanol at (303.15, 313.15, and 323.15) K
dvisc	0.0015682	Pa×s	308.15	Densities, Viscosities, and Sound Speeds of Some Acetate Salts in Binary Mixtures of Tetrahydrofuran and Methanol at (303.15, 313.15, and 323.15) K
dvisc	0.0014847	Pa×s	318.15	Densities, Viscosities, and Sound Speeds of Some Acetate Salts in Binary Mixtures of Tetrahydrofuran and Methanol at (303.15, 313.15, and 323.15) K
dvisc	0.0020120	Pa×s	298.15	Properties of Pure 1-Butyl-2,3-dimethylimidazolium Tetrafluoroborate Ionic Liquid and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0018430	Pa×s	303.15	Properties of Pure 1-Butyl-2,3-dimethylimidazolium Tetrafluoroborate Ionic Liquid and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile

dvisc	0.0015560	Pa×s	313.15	Properties of Pure 1-Butyl-2,3-dimethylimidazolium Tetrafluoroborate Ionic Liquid and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0013370	Pa×s	323.15	Properties of Pure 1-Butyl-2,3-dimethylimidazolium Tetrafluoroborate Ionic Liquid and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0011650	Pa×s	333.15	Properties of Pure 1-Butyl-2,3-dimethylimidazolium Tetrafluoroborate Ionic Liquid and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0010280	Pa×s	343.15	Properties of Pure 1-Butyl-2,3-dimethylimidazolium Tetrafluoroborate Ionic Liquid and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0009170	Pa×s	353.15	Properties of Pure 1-Butyl-2,3-dimethylimidazolium Tetrafluoroborate Ionic Liquid and Its Binary Mixtures with Dimethyl Sulfoxide and Acetonitrile
dvisc	0.0020420	Pa×s	298.15	Viscosity, Density, and Speed of Sound for the Binary Mixtures of Formamide with 2-Methoxyethanol, Acetophenone, Acetonitrile, 1,2-Dimethoxyethane, and Dimethylsulfoxide at Different Temperatures

dvisc	0.0015680	Pa×s	308.15	Viscosity, Density, and Speed of Sound for the Binary Mixtures of Formamide with 2-Methoxyethanol, Acetophenone, Acetonitrile, 1,2-Dimethoxyethane, and Dimethylsulfoxide at Different Temperatures
dvisc	0.0014850	Pa×s	318.15	Viscosity, Density, and Speed of Sound for the Binary Mixtures of Formamide with 2-Methoxyethanol, Acetophenone, Acetonitrile, 1,2-Dimethoxyethane, and Dimethylsulfoxide at Different Temperatures
dvisc	0.0019932	Pa×s	298.15	Partial Molar Volumes and Viscosity B-Coefficient of N-Phenylbenzohydroxamic Acid in Dimethylsulfoxide at Different Temperatures
dvisc	0.0018006	Pa×s	303.15	Partial Molar Volumes and Viscosity B-Coefficient of N-Phenylbenzohydroxamic Acid in Dimethylsulfoxide at Different Temperatures
dvisc	0.0015160	Pa×s	313.15	Partial Molar Volumes and Viscosity B-Coefficient of N-Phenylbenzohydroxamic Acid in Dimethylsulfoxide at Different Temperatures
dvisc	0.0013980	Pa×s	318.15	Partial Molar Volumes and Viscosity B-Coefficient of N-Phenylbenzohydroxamic Acid in Dimethylsulfoxide at Different Temperatures

dvisc	0.0017860	Pa×s	303.15	Densities and Viscosities of N,N-Dimethylformamide + N-Methyl-2-pyrrolidinone and + Dimethyl Sulfoxide in the Temperature Range (303.15 to 353.15) K
dvisc	0.0015060	Pa×s	313.15	Densities and Viscosities of N,N-Dimethylformamide + N-Methyl-2-pyrrolidinone and + Dimethyl Sulfoxide in the Temperature Range (303.15 to 353.15) K
dvisc	0.0012780	Pa×s	323.15	Densities and Viscosities of N,N-Dimethylformamide + N-Methyl-2-pyrrolidinone and + Dimethyl Sulfoxide in the Temperature Range (303.15 to 353.15) K
dvisc	0.0011040	Pa×s	333.15	Densities and Viscosities of N,N-Dimethylformamide + N-Methyl-2-pyrrolidinone and + Dimethyl Sulfoxide in the Temperature Range (303.15 to 353.15) K
dvisc	0.0009620	Pa×s	343.15	Densities and Viscosities of N,N-Dimethylformamide + N-Methyl-2-pyrrolidinone and + Dimethyl Sulfoxide in the Temperature Range (303.15 to 353.15) K
dvisc	0.0008500	Pa×s	353.15	Densities and Viscosities of N,N-Dimethylformamide + N-Methyl-2-pyrrolidinone and + Dimethyl Sulfoxide in the Temperature Range (303.15 to 353.15) K

dvisc	0.0019960	Pa×s	298.15	Density and Viscosity of Anhydrous Mixtures of Dimethylsulfoxide with Acetonitrile in the Range (298.15 to 318.15) K
dvisc	0.0018357	Pa×s	303.15	Density and Viscosity of Anhydrous Mixtures of Dimethylsulfoxide with Acetonitrile in the Range (298.15 to 318.15) K
dvisc	0.0014875	Pa×s	318.15	Densities and Viscosities of Rubidium Bromide in Dimethyl Sulfoxide + Water Mixtures in the Temperature Range t = (25 to 45) deg C
dvisc	0.0015588	Pa×s	313.15	Densities and Viscosities of Rubidium Bromide in Dimethyl Sulfoxide + Water Mixtures in the Temperature Range t = (25 to 45) deg C
dvisc	0.0016523	Pa×s	308.15	Densities and Viscosities of Rubidium Bromide in Dimethyl Sulfoxide + Water Mixtures in the Temperature Range t = (25 to 45) deg C
dvisc	0.0018090	Pa×s	303.15	Densities and Viscosities of Rubidium Bromide in Dimethyl Sulfoxide + Water Mixtures in the Temperature Range t = (25 to 45) deg C

dvisc	0.0019660	Pa×s	298.15	Densities and Viscosities of Rubidium Bromide in Dimethyl Sulfoxide + Water Mixtures in the Temperature Range t = (25 to 45) deg C
dvisc	0.0013935	Pa×s	318.15	Density and Viscosity of Anhydrous Mixtures of Dimethylsulfoxide with Acetonitrile in the Range (298.15 to 318.15) K
dvisc	0.0015351	Pa×s	313.15	Density and Viscosity of Anhydrous Mixtures of Dimethylsulfoxide with Acetonitrile in the Range (298.15 to 318.15) K
dvisc	0.0016520	Pa×s	308.15	Partial Molar Volumes and Viscosity B-Coefficient of N-Phenylbenzohydroxamic Acid in Dimethylsulfoxide at Different Temperatures
econd	3.28e-04	S/m	315.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes
econd	2.01e-04	S/m	295.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes

econd	2.25e-04	S/m	299.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	2.36e-04	S/m	301.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	2.48e-04	S/m	303.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	2.74e-04	S/m	307.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	2.62e-04	S/m	305.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	2.11e-04	S/m	297.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	

econd	2.87e-04	S/m	309.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	3.00e-04	S/m	311.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	3.15e-04	S/m	313.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	4.74e-04	S/m	333.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	4.55e-04	S/m	331.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	4.37e-04	S/m	329.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	

econd	4.19e-04	S/m	327.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	3.99e-04	S/m	325.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	3.84e-04	S/m	323.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	3.69e-04	S/m	321.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	3.55e-04	S/m	319.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	
econd	3.41e-04	S/m	317.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes	

econd	1.88e-04	S/m	293.15	Temperature and Concentration Dependences of the Electric Conductivity of Dimethyl Sulfoxide + Ammonium Nitrate Electrolytes
hfust	14.37	kJ/mol	291.67	NIST Webbook
hfust	14.37	kJ/mol	291.70	NIST Webbook
hfust	14.37	kJ/mol	291.70	NIST Webbook
hvapt	52.30	kJ/mol	308.00	NIST Webbook
hvapt	50.60	kJ/mol	383.50	NIST Webbook
hvapt	52.10	kJ/mol	363.00	NIST Webbook
hvapt	52.50	kJ/mol	308.00	NIST Webbook
hvapt	48.10	kJ/mol	368.00	NIST Webbook
hvapt	48.60	kJ/mol	430.00	NIST Webbook
hvapt	51.70	kJ/mol	384.50	NIST Webbook
pvap	5.00	kPa	373.10	Determination of density, viscosity and vapor pressures of mixtures of dimethyl sulfoxide + 1-allyl-3-methylimidazolium chloride at atmospheric pressure
pvap	101.30	kPa	463.38	Vapor Liquid Equilibria for Ternary Mixtures of Isopropyl Alcohol, Isopropyl Acetate, and DMSO at 101.3 kPa
pvap	43.20	kPa	433.10	Determination of density, viscosity and vapor pressures of mixtures of dimethyl sulfoxide + 1-allyl-3-methylimidazolium chloride at atmospheric pressure

pvap	31.60	kPa	423.10	Determination of density, viscosity and vapor pressures of mixtures of dimethyl sulfoxide + 1-allyl-3-methylimidazolium chloride at atmospheric pressure
pvap	22.70	kPa	413.10	Determination of density, viscosity and vapor pressures of mixtures of dimethyl sulfoxide + 1-allyl-3-methylimidazolium chloride at atmospheric pressure
pvap	16.00	kPa	403.10	Determination of density, viscosity and vapor pressures of mixtures of dimethyl sulfoxide + 1-allyl-3-methylimidazolium chloride at atmospheric pressure
pvap	11.20	kPa	393.10	Determination of density, viscosity and vapor pressures of mixtures of dimethyl sulfoxide + 1-allyl-3-methylimidazolium chloride at atmospheric pressure
pvap	101.30	kPa	463.27	Isobaric vapor-liquid equilibrium of a ternary system of ethyl acetate + propyl acetate + dimethyl sulfoxide and binary systems of ethyl acetate + dimethyl sulfoxide and propyl acetate + dimethyl sulfoxide at 101.3 kPa

pvap	7.60	kPa	383.10	Determination of density, viscosity and vapor pressures of mixtures of dimethyl sulfoxide + 1-allyl-3-methylimidazolium chloride at atmospheric pressure
pvap	3.20	kPa	363.10	Determination of density, viscosity and vapor pressures of mixtures of dimethyl sulfoxide + 1-allyl-3-methylimidazolium chloride at atmospheric pressure
pvap	2.00	kPa	353.10	Determination of density, viscosity and vapor pressures of mixtures of dimethyl sulfoxide + 1-allyl-3-methylimidazolium chloride at atmospheric pressure
pvap	0.16	kPa	308.16	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
pvap	0.16	kPa	308.16	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
pvap	0.16	kPa	308.16	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
pvap	0.13	kPa	305.66	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
pvap	0.13	kPa	305.66	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide

pvap	0.13	kPa	305.66	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	
pvap	0.11	kPa	303.16	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	
pvap	0.11	kPa	303.16	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	
pvap	0.11	kPa	303.16	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	
pvap	0.10	kPa	300.65	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	
pvap	0.10	kPa	300.65	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	
pvap	0.08	kPa	298.15	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	
pvap	0.08	kPa	298.15	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	
pvap	0.08	kPa	298.15	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	
pvap	0.07	kPa	295.65	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide	

pvap	0.07	kPa	295.65	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
pvap	0.07	kPa	295.65	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
pvap	0.06	kPa	293.15	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
pvap	0.06	kPa	293.15	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
pvap	0.06	kPa	293.15	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
pvap	95.30	kPa	460.95	Vapor-liquid equilibrium for the binary mixtures of dimethylsulfoxide with substituted benzenes
pvap	0.10	kPa	300.65	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide
rfi	1.45470		308.15	Density, Viscosity, Refractive Index, and Speed of Sound for Binary Mixtures of Anisole with 2-Chloroethanol, 1,4-Dioxane, Tetrachloroethylene, Tetrachloroethane, DMF, DMSO, and Diethyl Oxalate at (298.15, 303.15, and 308.15) K

rfi	1.47690	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	1.47510	293.15	Isobaric Vapor Liquid Equilibrium for the Extractive Distillation of Acetonitrile + Water Mixtures Using Dimethyl Sulfoxide at 101.3 kPa
rfi	1.46700	318.15	Partial Molar Volumes of N,N'-1,2-Ethyl-bis(salicyladimine) Schiff Base (Salen) in Organic Solvents at T = (283.15 to 318.15) K
rfi	1.47100	308.15	Partial Molar Volumes of N,N'-1,2-Ethyl-bis(salicyladimine) Schiff Base (Salen) in Organic Solvents at T = (283.15 to 318.15) K
rfi	1.47520	298.15	Partial Molar Volumes of N,N'-1,2-Ethyl-bis(salicyladimine) Schiff Base (Salen) in Organic Solvents at T = (283.15 to 318.15) K
rfi	1.47930	288.15	Partial Molar Volumes of N,N'-1,2-Ethyl-bis(salicyladimine) Schiff Base (Salen) in Organic Solvents at T = (283.15 to 318.15) K

rfi	1.45940	303.15	Density, Viscosity, Refractive Index, and Speed of Sound for Binary Mixtures of Anisole with 2-Chloroethanol, 1,4-Dioxane, Tetrachloroethylene, Tetrachloroethane, DMF, DMSO, and Diethyl Oxalate at (298.15, 303.15, and 308.15) K
rfi	1.47680	298.15	Density, Viscosity, Refractive Index, and Speed of Sound for Binary Mixtures of Anisole with 2-Chloroethanol, 1,4-Dioxane, Tetrachloroethylene, Tetrachloroethane, DMF, DMSO, and Diethyl Oxalate at (298.15, 303.15, and 308.15) K
rfi	1.47890	293.15	Solubility Data for Roflumilast and Maraviroc in Various Solvents between T = (278.2-323.2) K
rfi	1.47910	293.15	Solid-Liquid Equilibrium Measurements for Posaconazole and Voriconazole in Several Solvents between T = 278.2 and 323.2 K Using Differential Thermal Analysis/Thermal Gravimetric Analysis
rfi	1.47790	298.15	Isobaric Vapor Liquid Equilibrium for Binary and Ternary Systems of Isoamyl Alcohol + Isoamyl Acetate + Dimethyl Sulfoxide at 101.33 kPa

rfi	1.47850		293.15	Experimental densities and excess volumes for binary mixtures of (dimethyl sulfoxide + an aromatic hydrocarbon) at temperatures from (293.15 to 353.15) K at atmospheric pressure
rfi	1.47850		293.15	Densities and volumetric properties of a (xylene + dimethyl sulfoxide) at temperature from (293.15 to 353.15) K
rfi	1.47510		303.15	Measurements of the Properties of Binary Mixtures of Dimethylsulphoxide (DMSO) with 1-Alkanols (C4, C6, C7) at 303.15K
rhol	1071.10	kg/m3	323.15	Determination of Density and Viscosity of Binary Mixtures of Water and Dimethyl Sulfoxide with 1-Ethyl-3-methylimidazolium Diethylphosphate [EtMeIm]+[Et2PO4]- at Atmospheric Pressure
rhol	1100.40	kg/m3	293.15	Experimental High-Temperature, High-Pressure Density Measurement and Perturbed-Chain Statistical Associating Fluid Theory Modeling of Dimethyl Sulfoxide, Isoamyl Acetate, and Benzyl Alcohol

rhol	1095.40	kg/m3	298.15	Experimental High-Temperature, High-Pressure Density Measurement and Perturbed-Chain Statistical Associating Fluid Theory Modeling of Dimethyl Sulfoxide, Isoamyl Acetate, and Benzyl Alcohol	
rhol	1080.30	kg/m3	313.15	Experimental High-Temperature, High-Pressure Density Measurement and Perturbed-Chain Statistical Associating Fluid Theory Modeling of Dimethyl Sulfoxide, Isoamyl Acetate, and Benzyl Alcohol	
rhol	1060.20	kg/m3	333.15	Experimental High-Temperature, High-Pressure Density Measurement and Perturbed-Chain Statistical Associating Fluid Theory Modeling of Dimethyl Sulfoxide, Isoamyl Acetate, and Benzyl Alcohol	
rhol	1085.50	kg/m3	308.15	Excess Molar Enthalpies of Binary Mixtures Containing Glycols or Polyglycols + Dimethyl Sulfoxide at 308.15 K	
rhol	1095.54	kg/m3	298.15	Excess Molar volumes and Surface Tensions of Trimethylbenzene with Tetrahydrofuran Tetrachloromethane and Dimethylsulfoxide at 298.15 K	

rhol	1095.36	kg/m3	298.15	Densities and Volumetric Properties of Ethylene Glycol + Dimethylsulfoxide Mixtures at Temperatures of (278.15 to 323.15) K and Pressures of (0.1 to 100) MPa	
rhol	1085.36	kg/m3	308.15	Densities and Volumetric Properties of Ethylene Glycol + Dimethylsulfoxide Mixtures at Temperatures of (278.15 to 323.15) K and Pressures of (0.1 to 100) MPa	
rhol	1070.28	kg/m3	323.15	Densities and Volumetric Properties of Ethylene Glycol + Dimethylsulfoxide Mixtures at Temperatures of (278.15 to 323.15) K and Pressures of (0.1 to 100) MPa	
rhol	1100.31	kg/m3	293.15	Volumetric Properties of Binary Mixtures Containing Ionic Liquids and Some Aprotic Solvents	
rhol	1095.30	kg/m3	298.15	Volumetric Properties of Binary Mixtures Containing Ionic Liquids and Some Aprotic Solvents	
rhol	1090.31	kg/m3	303.13	Volumetric Properties of Binary Mixtures Containing Ionic Liquids and Some Aprotic Solvents	
rhol	1085.27	kg/m3	308.15	Volumetric Properties of Binary Mixtures Containing Ionic Liquids and Some Aprotic Solvents	

rhol	1080.27	kg/m3	313.15	Volumetric Properties of Binary Mixtures Containing Ionic Liquids and Some Aprotic Solvents	
rhol	1100.22	kg/m3	293.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide	
rhol	1081.10	kg/m3	313.15	Determination of Density and Viscosity of Binary Mixtures of Water and Dimethyl Sulfoxide with 1-Ethyl-3-methylimidazolium Diethylphosphate [EtMeIm]+[Et2PO4]- at Atmospheric Pressure	
rhol	1090.34	kg/m3	303.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide	
rhol	1090.37	kg/m3	303.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide	
rhol	1090.38	kg/m3	303.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide	
rhol	1085.41	kg/m3	308.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide	

rhol	1085.42	kg/m3	308.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide
rhol	1080.45	kg/m3	313.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide
rhol	1080.43	kg/m3	313.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide
rhol	1080.47	kg/m3	313.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide
rhol	1100.76	kg/m3	293.15	Volumetric Properties of Binary Mixtures of Two 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids with Molecular Solvents
rhol	1095.74	kg/m3	298.15	Volumetric Properties of Binary Mixtures of Two 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids with Molecular Solvents
rhol	1090.73	kg/m3	303.15	Volumetric Properties of Binary Mixtures of Two 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids with Molecular Solvents

rhol	1080.69	kg/m3	313.15	Volumetric Properties of Binary Mixtures of Two 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids with Molecular Solvents
rhol	1070.66	kg/m3	323.15	Volumetric Properties of Binary Mixtures of Two 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids with Molecular Solvents
rhol	1060.63	kg/m3	333.15	Volumetric Properties of Binary Mixtures of Two 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids with Molecular Solvents
rhol	1050.58	kg/m3	343.15	Volumetric Properties of Binary Mixtures of Two 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids with Molecular Solvents
rhol	1040.51	kg/m3	353.15	Volumetric Properties of Binary Mixtures of Two 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids with Molecular Solvents
rhol	1095.20	kg/m3	298.15	Solubility of Dilute SO2 in the Binary System Poly Ethylene Glycol 300 + Dimethyl Sulfoxide at T = 298.15 K and p = 123.15 kPa and Mixtures Excess Properties at T = (298.15, 303.15, 308.15, 313.15, and 318.15) K

rhol	1090.60	kg/m3	303.15	Solubility of Dilute SO2 in the Binary System Poly Ethylene Glycol 300 + Dimethyl Sulfoxide at T = 298.15 K and p = 123.15 kPa and Mixtures Excess Properties at T = (298.15, 303.15, 308.15, 313.15, and 318.15) K	
rhol	1085.90	kg/m3	308.15	Solubility of Dilute SO2 in the Binary System Poly Ethylene Glycol 300 + Dimethyl Sulfoxide at T = 298.15 K and p = 123.15 kPa and Mixtures Excess Properties at T = (298.15, 303.15, 308.15, 313.15, and 318.15) K	
rhol	1081.30	kg/m3	313.15	Solubility of Dilute SO2 in the Binary System Poly Ethylene Glycol 300 + Dimethyl Sulfoxide at T = 298.15 K and p = 123.15 kPa and Mixtures Excess Properties at T = (298.15, 303.15, 308.15, 313.15, and 318.15) K	
rhol	1075.30	kg/m3	318.15	Solubility of Dilute SO2 in the Binary System Poly Ethylene Glycol 300 + Dimethyl Sulfoxide at T = 298.15 K and p = 123.15 kPa and Mixtures Excess Properties at T = (298.15, 303.15, 308.15, 313.15, and 318.15) K	

rhol	1100.42	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	1095.45	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	1090.47	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	1085.48	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	1080.49	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	1075.49	kg/m3	318.15	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO

rhol	1100.22	kg/m3	293.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide	
rhol	1100.23	kg/m3	293.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide	
rhol	1095.19	kg/m3	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	
rhol	1095.19	kg/m3	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	

rhol	1095.20	kg/m3	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	
rhol	1095.20	kg/m3	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	
rhol	1090.17	kg/m3	303.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide	
rhol	1090.18	kg/m3	303.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide	

rhol	1080.12	kg/m3	313.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide	
rhol	1080.12	kg/m3	313.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide	
rhol	1070.08	kg/m3	323.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide	
rhol	1070.08	kg/m3	323.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide	

rhol	1060.04	kg/m3	333.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide
rhol	1060.03	kg/m3	333.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. VI. Apparent Molar Volumes, Expansibilities, and Compressibilities of Divalent Transition Metal Ions in Methanol and Dimethylsulfoxide
rhol	1091.20	kg/m3	303.15	Determination of Density and Viscosity of Binary Mixtures of Water and Dimethyl Sulfoxide with 1-Ethyl-3-methylimidazolium Diethylphosphate [EtMeIm]+[Et2PO4]- at Atmospheric Pressure
rhol	1101.20	kg/m3	293.15	Determination of Density and Viscosity of Binary Mixtures of Water and Dimethyl Sulfoxide with 1-Ethyl-3-methylimidazolium Diethylphosphate [EtMeIm]+[Et2PO4]- at Atmospheric Pressure
rhol	1040.33	kg/m3	353.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid

rhol	1045.34	kg/m3	348.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	1050.35	kg/m3	343.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	1055.34	kg/m3	338.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	1060.34	kg/m3	333.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	1065.33	kg/m3	328.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	1070.32	kg/m3	323.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	1075.31	kg/m3	318.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid

rhol	1080.30	kg/m3	313.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	1085.28	kg/m3	308.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	1090.29	kg/m3	303.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	1030.12	kg/m3	363.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar
rhol	1035.15	kg/m3	358.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar
rhol	1040.19	kg/m3	353.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar

rhol	1045.21	kg/m3	348.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar	
rhol	1050.23	kg/m3	343.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar	
rhol	1090.36	kg/m3	303.15	Apparent Molar Volumes and Expansivities of Ionic Liquids [Cnmim]Br (n = 4, 8, 10, 12) in Dimethyl Sulfoxide	
rhol	1055.26	kg/m3	338.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar	
rhol	1060.28	kg/m3	333.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar	
rhol	1065.29	kg/m3	328.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar	

rhol	1070.31	kg/m3	323.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar
rhol	1075.32	kg/m3	318.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar
rhol	1080.34	kg/m3	313.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar
rhol	1085.36	kg/m3	308.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar
rhol	1090.38	kg/m3	303.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar

rhol	1095.41	kg/m3	298.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar
rhol	1060.29	kg/m3	333.15	Density and Viscosity Measurements for Binary Mixtures of 1-Ethyl-3-methylimidazolium Tetrafluoroborate ([Emim][BF4]) with Dimethylacetamide, Dimethylformamide, and Dimethyl Sulfoxide
rhol	1070.33	kg/m3	323.15	Density and Viscosity Measurements for Binary Mixtures of 1-Ethyl-3-methylimidazolium Tetrafluoroborate ([Emim][BF4]) with Dimethylacetamide, Dimethylformamide, and Dimethyl Sulfoxide
rhol	1080.37	kg/m3	313.15	Density and Viscosity Measurements for Binary Mixtures of 1-Ethyl-3-methylimidazolium Tetrafluoroborate ([Emim][BF4]) with Dimethylacetamide, Dimethylformamide, and Dimethyl Sulfoxide
rhol	1090.41	kg/m3	303.15	Density and Viscosity Measurements for Binary Mixtures of 1-Ethyl-3-methylimidazolium Tetrafluoroborate ([Emim][BF4]) with Dimethylacetamide, Dimethylformamide, and Dimethyl Sulfoxide

rhol	1075.19	kg/m3	318.15	Density, sound speed and viscosity of dihydropyridine derivatives in dimethyl sulfoxide at different temperatures	
rhol	1085.23	kg/m3	308.15	Density, sound speed and viscosity of dihydropyridine derivatives in dimethyl sulfoxide at different temperatures	
rhol	1095.28	kg/m3	298.15	Density, sound speed and viscosity of dihydropyridine derivatives in dimethyl sulfoxide at different temperatures	
rhol	1075.30	kg/m3	318.15	Excess Properties and Spectroscopic Studies for Binary System of Polyethylene Glycol 200 (1) + Dimethyl Sulfoxide (2) at T = (298.15 to 318.15) K	
rhol	1081.20	kg/m3	313.15	Excess Properties and Spectroscopic Studies for Binary System of Polyethylene Glycol 200 (1) + Dimethyl Sulfoxide (2) at T = (298.15 to 318.15) K	
rhol	1086.10	kg/m3	308.15	Excess Properties and Spectroscopic Studies for Binary System of Polyethylene Glycol 200 (1) + Dimethyl Sulfoxide (2) at T = (298.15 to 318.15) K	

rhol	1091.40	kg/m3	303.15	Excess Properties and Spectroscopic Studies for Binary System of Polyethylene Glycol 200 (1) + Dimethyl Sulfoxide (2) at T = (298.15 to 318.15) K	
rhol	1096.80	kg/m3	298.15	Excess Properties and Spectroscopic Studies for Binary System of Polyethylene Glycol 200 (1) + Dimethyl Sulfoxide (2) at T = (298.15 to 318.15) K	
rhol	1095.30	kg/m3	298.15	Conductometric, refractometric and FT-IR spectroscopic study of [EMIm]NO3, [EMIm]CH3SO3, and [EMIm]OTs in N,N-dimethyl formamide, N,N-dimethyl acetamide and dimethyl sulphoxide	
rhol	1086.06	kg/m3	308.15	Effect of anion variation on the thermophysical properties of triethylammonium based protic ionic liquids with polar solvent	
rhol	1086.08	kg/m3	308.15	Effect of anion variation on the thermophysical properties of triethylammonium based protic ionic liquids with polar solvent	
rhol	1092.41	kg/m3	303.15	Effect of anion variation on the thermophysical properties of triethylammonium based protic ionic liquids with polar solvent	

rhol	1095.37	kg/m3	298.15	Effect of anion variation on the thermophysical properties of triethylammonium based protic ionic liquids with polar solvent
rhol	1090.45	kg/m3	303.15	Excess molar enthalpies and heat capacities of dimethyl sulfoxide + seven normal alkanols at 303.15K and atmospheric pressure
rhol	1095.34	kg/m3	298.15	Liquid-liquid equilibria and density data for pseudoternary systems of refined soybean oil + (hexanal, or heptanal, or butyric acid, or valeric acid, or caproic acid, or caprylic acid) + dimethyl sulfoxide at 298.15 K
rhol	1085.39	kg/m3	308.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents
rhol	1090.40	kg/m3	303.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents
rhol	1095.42	kg/m3	298.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents
rhol	1100.43	kg/m3	293.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents

rhol	1080.29	kg/m3	313.15	Temperature and composition dependence of the volumetric and acoustic properties of ionic liquid [emim][HSO4] with polar protic and aprotic co-solvents	
rhol	1085.31	kg/m3	308.15	Temperature and composition dependence of the volumetric and acoustic properties of ionic liquid [emim][HSO4] with polar protic and aprotic co-solvents	
rhol	1090.32	kg/m3	303.15	Temperature and composition dependence of the volumetric and acoustic properties of ionic liquid [emim][HSO4] with polar protic and aprotic co-solvents	
rhol	1095.33	kg/m3	298.15	Temperature and composition dependence of the volumetric and acoustic properties of ionic liquid [emim][HSO4] with polar protic and aprotic co-solvents	
rhol	1095.00	kg/m3	298.15	Volumetric, acoustic and transport properties of mixtures containing dimethyl sulfoxide and some amines or alkanolamines: Measurement and correlation	

rhol	1070.00	kg/m3	323.15	Volumetric, acoustic and transport properties of mixtures containing dimethyl sulfoxide and some amines or alkanolamines: Measurement and correlation	
rhol	1080.00	kg/m3	313.15	Volumetric, acoustic and transport properties of mixtures containing dimethyl sulfoxide and some amines or alkanolamines: Measurement and correlation	
rhol	1090.00	kg/m3	303.15	Volumetric, acoustic and transport properties of mixtures containing dimethyl sulfoxide and some amines or alkanolamines: Measurement and correlation	
rhol	1100.00	kg/m3	293.15	Volumetric, acoustic and transport properties of mixtures containing dimethyl sulfoxide and some amines or alkanolamines: Measurement and correlation	
rhol	1040.33	kg/m3	353.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride	
rhol	1045.34	kg/m3	348.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride	

rhol	1050.35	kg/m3	343.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	1055.34	kg/m3	338.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	1095.39	kg/m3	298.15	Apparent molar volumes and isentropic compressions of benzylalkylammonium ionic liquids in dimethylsulfoxide from 293.15 K to 328.15 K
rhol	1065.33	kg/m3	328.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	1070.32	kg/m3	323.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	1075.31	kg/m3	318.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	1080.30	kg/m3	313.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	1085.28	kg/m3	308.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride

rhol	1090.29	kg/m3	303.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	1080.00	kg/m3	313.15	Thermophysical approach to understand the nature of molecular interactions and structural factor between methyl isobutyl ketone and organic solvents mixtures
rhol	1090.00	kg/m3	303.15	Thermophysical approach to understand the nature of molecular interactions and structural factor between methyl isobutyl ketone and organic solvents mixtures
rhol	1100.00	kg/m3	293.15	Thermophysical approach to understand the nature of molecular interactions and structural factor between methyl isobutyl ketone and organic solvents mixtures
rhol	1080.20	kg/m3	313.15	Excess molar volume and viscosity deviation for binary mixtures of gamma-butyrolactone with dimethyl sulfoxide
rhol	1090.20	kg/m3	303.15	Excess molar volume and viscosity deviation for binary mixtures of gamma-butyrolactone with dimethyl sulfoxide

rhol	1095.20	kg/m3	298.15	Excess molar volume and viscosity deviation for binary mixtures of gamma-butyrolactone with dimethyl sulfoxide
rhol	1100.20	kg/m3	293.15	Excess molar volume and viscosity deviation for binary mixtures of gamma-butyrolactone with dimethyl sulfoxide
rhol	1065.14	kg/m3	328.15	Solvation of ionic liquids based on N-alkyl-N-methylmorpholinium cations in N,N-dimethylformamide and dimethyl sulfoxide A volumetric and acoustic study
rhol	1075.18	kg/m3	318.15	Solvation of ionic liquids based on N-alkyl-N-methylmorpholinium cations in N,N-dimethylformamide and dimethyl sulfoxide A volumetric and acoustic study
rhol	1080.20	kg/m3	313.15	Solvation of ionic liquids based on N-alkyl-N-methylmorpholinium cations in N,N-dimethylformamide and dimethyl sulfoxide A volumetric and acoustic study
rhol	1019.80	kg/m3	373.15	Density and Melting Points for the Binary Mixtures Dimethyl Sulfoxide (DMSO) + 1-Ethyl-3-methylimidazolium Acetate and DMSO + Choline Acetate

rhol	1085.23	kg/m3	308.15	Solvation of ionic liquids based on N-alkyl-N-methylmorpholinium cations in N,N-dimethylformamide and dimethyl sulfoxide A volumetric and acoustic study
rhol	1090.24	kg/m3	303.15	Solvation of ionic liquids based on N-alkyl-N-methylmorpholinium cations in N,N-dimethylformamide and dimethyl sulfoxide A volumetric and acoustic study
rhol	1095.25	kg/m3	298.15	Solvation of ionic liquids based on N-alkyl-N-methylmorpholinium cations in N,N-dimethylformamide and dimethyl sulfoxide A volumetric and acoustic study
rhol	1075.21	kg/m3	318.15	Solvation of ionic liquids based on N-methyl-N-alkyl morpholinium cations in dimethylsulfoxide - volumetric and compressibility studies
rhol	1080.22	kg/m3	313.15	Solvation of ionic liquids based on N-methyl-N-alkyl morpholinium cations in dimethylsulfoxide - volumetric and compressibility studies
rhol	1085.24	kg/m3	308.15	Solvation of ionic liquids based on N-methyl-N-alkyl morpholinium cations in dimethylsulfoxide - volumetric and compressibility studies
rhol	1090.26	kg/m3	303.15	Solvation of ionic liquids based on N-methyl-N-alkyl morpholinium cations in dimethylsulfoxide - volumetric and compressibility studies

rhol	1095.28	kg/m3	298.15	Solvation of ionic liquids based on N-methyl-N-alkyl morpholinium cations in dimethylsulfoxide - volumetric and compressibility studies
rhol	1096.00	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	1085.39	kg/m3	308.15	Thermodynamic properties of binary mixtures of the ionic liquid [emim][BF4] with acetone and dimethylsulphoxide
rhol	1090.41	kg/m3	303.15	Thermodynamic properties of binary mixtures of the ionic liquid [emim][BF4] with acetone and dimethylsulphoxide
rhol	1095.42	kg/m3	298.15	Thermodynamic properties of binary mixtures of the ionic liquid [emim][BF4] with acetone and dimethylsulphoxide
rhol	1100.43	kg/m3	293.15	Thermodynamic properties of binary mixtures of the ionic liquid [emim][BF4] with acetone and dimethylsulphoxide
rhol	1081.43	kg/m3	313.15	Influence of anion on thermophysical properties of ionic liquids with polar solvent
rhol	1086.06	kg/m3	308.15	Influence of anion on thermophysical properties of ionic liquids with polar solvent

rhol	1092.41	kg/m3	303.15	Influence of anion on thermophysical properties of ionic liquids with polar solvent
rhol	1095.37	kg/m3	298.15	Influence of anion on thermophysical properties of ionic liquids with polar solvent
rhol	1076.30	kg/m3	318.15	Thermophysical and excess properties of hydroxamic acids in DMSO
rhol	1080.20	kg/m3	313.15	Thermophysical and excess properties of hydroxamic acids in DMSO
rhol	1085.20	kg/m3	308.15	Thermophysical and excess properties of hydroxamic acids in DMSO
rhol	1090.30	kg/m3	303.15	Thermophysical and excess properties of hydroxamic acids in DMSO
rhol	1096.50	kg/m3	298.15	Thermophysical and excess properties of hydroxamic acids in DMSO
rhol	1096.02	kg/m3	298.15	Physics and chemistry of an ionic liquid in some industrially important solvent media probed by physicochemical techniques
rhol	1030.43	kg/m3	363.15	Volumetric properties of binary mixtures of dimethyl sulfoxide with amines from (293.15 to 363.15) K
rhol	1040.54	kg/m3	353.14	Volumetric properties of binary mixtures of dimethyl sulfoxide with amines from (293.15 to 363.15) K

rhol	1050.62	kg/m3	343.14	Volumetric properties of binary mixtures of dimethyl sulfoxide with amines from (293.15 to 363.15) K
rhol	1060.68	kg/m3	333.15	Volumetric properties of binary mixtures of dimethyl sulfoxide with amines from (293.15 to 363.15) K
rhol	1070.73	kg/m3	323.14	Volumetric properties of binary mixtures of dimethyl sulfoxide with amines from (293.15 to 363.15) K
rhol	1080.77	kg/m3	313.14	Volumetric properties of binary mixtures of dimethyl sulfoxide with amines from (293.15 to 363.15) K
rhol	1090.81	kg/m3	303.15	Volumetric properties of binary mixtures of dimethyl sulfoxide with amines from (293.15 to 363.15) K
rhol	1100.87	kg/m3	293.14	Volumetric properties of binary mixtures of dimethyl sulfoxide with amines from (293.15 to 363.15) K
rhol	1060.03	kg/m3	333.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium and lutetium trifluoromethanesulfonates in dimethylsulfoxide

rhol	1070.07	kg/m3	323.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium and lutetium trifluoromethanesulfonates in dimethylsulfoxide
rhol	1080.12	kg/m3	313.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium and lutetium trifluoromethanesulfonates in dimethylsulfoxide
rhol	1090.16	kg/m3	303.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium and lutetium trifluoromethanesulfonates in dimethylsulfoxide
rhol	1095.19	kg/m3	298.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium and lutetium trifluoromethanesulfonates in dimethylsulfoxide
rhol	1100.22	kg/m3	293.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium and lutetium trifluoromethanesulfonates in dimethylsulfoxide
rhol	1095.32	kg/m3	298.15	Excess molar enthalpies of binary systems containing 2-octanone, hexanoic acid, or octanoic acid at T = 298.15 K
rhol	1095.37	kg/m3	298.15	Excess molar volumes and ultrasonic studies of dimethylsulphoxide with ketones at T = 303.15 K

rhol	1095.27	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	1100.40	kg/m3	293.15	Volumetric properties of binary mixtures of (water + organic solvents) at temperatures between T = 288.15 K and T = 303.15 K at p = 0.1 MPa
rhol	1065.26	kg/m3	328.15	Apparent molar volumes and isentropic compressions of benzylalkylammonium ionic liquids in dimethylsulfoxide from 293.15 K to 328.15 K
rhol	1070.29	kg/m3	323.15	Apparent molar volumes and isentropic compressions of benzylalkylammonium ionic liquids in dimethylsulfoxide from 293.15 K to 328.15 K
rhol	1029.90	kg/m3	363.15	Density and Melting Points for the Binary Mixtures Dimethyl Sulfoxide (DMSO) + 1-Ethyl-3-methylimidazolium Acetate and DMSO + Choline Acetate
rhol	1040.20	kg/m3	353.15	Density and Melting Points for the Binary Mixtures Dimethyl Sulfoxide (DMSO) + 1-Ethyl-3-methylimidazolium Acetate and DMSO + Choline Acetate

rhol	1050.20	kg/m3	343.15	Density and Melting Points for the Binary Mixtures Dimethyl Sulfoxide (DMSO) + 1-Ethyl-3-methylimidazolium Acetate and DMSO + Choline Acetate
rhol	1060.30	kg/m3	333.15	Density and Melting Points for the Binary Mixtures Dimethyl Sulfoxide (DMSO) + 1-Ethyl-3-methylimidazolium Acetate and DMSO + Choline Acetate
rhol	1070.20	kg/m3	323.15	Density and Melting Points for the Binary Mixtures Dimethyl Sulfoxide (DMSO) + 1-Ethyl-3-methylimidazolium Acetate and DMSO + Choline Acetate
rhol	1080.40	kg/m3	313.15	Density and Melting Points for the Binary Mixtures Dimethyl Sulfoxide (DMSO) + 1-Ethyl-3-methylimidazolium Acetate and DMSO + Choline Acetate
rhol	1090.20	kg/m3	303.15	Density and Melting Points for the Binary Mixtures Dimethyl Sulfoxide (DMSO) + 1-Ethyl-3-methylimidazolium Acetate and DMSO + Choline Acetate

rhol	1100.20	kg/m3	293.15	Density and Melting Points for the Binary Mixtures Dimethyl Sulfoxide (DMSO) + 1-Ethyl-3-methylimidazolium Acetate and DMSO + Choline Acetate
rhol	1095.27	kg/m3	298.15	Volumetric Properties of the Ionic Liquid, 1-Butyl-3-methylimidazolium Tetrafluoroborate, in Organic Solvents at T = 298.15 K
rhol	1095.40	kg/m3	298.15	Isobaric Vapor-Liquid Equilibrium for Binary and Ternary Systems of 2-Methoxyethanol, Ethylbenzene, and Dimethyl Sulfoxide at 100.00 kPa
rhol	1021.40	kg/m3	373.15	Determination of Density and Viscosity of Binary Mixtures of Water and Dimethyl Sulfoxide with 1-Ethyl-3-methylimidazolium Diethylphosphate [EtMeIm]+[Et2PO4]- at Atmospheric Pressure
rhol	1031.30	kg/m3	363.15	Determination of Density and Viscosity of Binary Mixtures of Water and Dimethyl Sulfoxide with 1-Ethyl-3-methylimidazolium Diethylphosphate [EtMeIm]+[Et2PO4]- at Atmospheric Pressure

rhol	1041.10	kg/m3	353.15	Determination of Density and Viscosity of Binary Mixtures of Water and Dimethyl Sulfoxide with 1-Ethyl-3-methylimidazolium Diethylphosphate [EtMeIm]+[Et2PO4]- at Atmospheric Pressure
rhol	1051.30	kg/m3	343.15	Determination of Density and Viscosity of Binary Mixtures of Water and Dimethyl Sulfoxide with 1-Ethyl-3-methylimidazolium Diethylphosphate [EtMeIm]+[Et2PO4]- at Atmospheric Pressure
rhol	1061.20	kg/m3	333.15	Determination of Density and Viscosity of Binary Mixtures of Water and Dimethyl Sulfoxide with 1-Ethyl-3-methylimidazolium Diethylphosphate [EtMeIm]+[Et2PO4]- at Atmospheric Pressure
rhol	1075.31	kg/m3	318.15	Apparent molar volumes and isentropic compressions of benzylalkylammonium ionic liquids in dimethylsulfoxide from 293.15 K to 328.15 K
rhol	1080.33	kg/m3	313.15	Apparent molar volumes and isentropic compressions of benzylalkylammonium ionic liquids in dimethylsulfoxide from 293.15 K to 328.15 K
rhol	1085.35	kg/m3	308.15	Apparent molar volumes and isentropic compressions of benzylalkylammonium ionic liquids in dimethylsulfoxide from 293.15 K to 328.15 K

rhol	1090.37	kg/m3	303.15	Apparent molar volumes and isentropic compressions of benzylalkylammonium ionic liquids in dimethylsulfoxide from 293.15 K to 328.15 K
rhol	1060.34	kg/m3	333.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	1100.41	kg/m3	293.15	Apparent molar volumes and isentropic compressions of benzylalkylammonium ionic liquids in dimethylsulfoxide from 293.15 K to 328.15 K
rhol	1100.42	kg/m3	293.15	Carbon Dioxide Solubility in Phosphonium-, Ammonium-, Sulfonyl-, and Pyrrolidinium-Based Ionic Liquids and their Mixtures at Moderate Pressures up to 10 bar
sdco	0.00	m2/s	298.29	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	298.26	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	293.09	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	363.71	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	348.17	Viscous Calibration Liquids for Self-diffusion Measurements

sdco	0.00	m2/s	338.12	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	318.03	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	328.10	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	308.10	Viscous Calibration Liquids for Self-diffusion Measurements
sfust	49.26	J/mol×K	291.67	NIST Webbook
speedsl	1484.12	m/s	298.15	Adiabatic Compressibilities of Divalent Transition-Metal Perchlorates and Chlorides in N,N-Dimethylacetamide and Dimethylsulfoxide
speedsl	1519.12	m/s	288.15	Volumetric and Isentropic Compressibility Behavior of Ionic Liquid, 1-Propyl-3-Methylimidazolium Bromide in Acetonitrile, Dimethylformamide, and Dimethylsulfoxide at T = (288.15 to 308.15) K
speedsl	1502.19	m/s	293.15	Volumetric and Isentropic Compressibility Behavior of Ionic Liquid, 1-Propyl-3-Methylimidazolium Bromide in Acetonitrile, Dimethylformamide, and Dimethylsulfoxide at T = (288.15 to 308.15) K

speedsl	1485.21	m/s	298.15	Volumetric and Isentropic Compressibility Behavior of Ionic Liquid, 1-Propyl-3-Methylimidazolium Bromide in Acetonitrile, Dimethylformamide, and Dimethylsulfoxide at T = (288.15 to 308.15) K
speedsl	1468.32	m/s	303.15	Volumetric and Isentropic Compressibility Behavior of Ionic Liquid, 1-Propyl-3-Methylimidazolium Bromide in Acetonitrile, Dimethylformamide, and Dimethylsulfoxide at T = (288.15 to 308.15) K
speedsl	1451.47	m/s	308.15	Volumetric and Isentropic Compressibility Behavior of Ionic Liquid, 1-Propyl-3-Methylimidazolium Bromide in Acetonitrile, Dimethylformamide, and Dimethylsulfoxide at T = (288.15 to 308.15) K
srf	0.04	N/m	303.15	Surface and bulk behavior of (dialkylsulfoxides + carbon tetrachloride) mixtures
srf	0.04	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	0.04	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	0.04	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	0.04	N/m	328.15	Surface Tension and Refractive Index of Dialkylsulfoxide + Water Mixtures at Several Temperatures
srf	0.04	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	0.04	N/m	303.15	Surface Tension and Refractive Index of Dialkylsulfoxide + Water Mixtures at Several Temperatures
srf	0.04	N/m	308.15	Surface Tension and Refractive Index of Dialkylsulfoxide + Water Mixtures at Several Temperatures
srf	0.04	N/m	313.15	Surface Tension and Refractive Index of Dialkylsulfoxide + Water Mixtures at Several Temperatures

srf	0.04	N/m	318.15	Surface Tension and Refractive Index of Dialkylsulfoxide + Water Mixtures at Several Temperatures	
srf	0.04	N/m	298.15	Surface and bulk behavior of (dialkylsulfoxides + carbon tetrachloride) mixtures	
srf	0.04	N/m	323.15	Surface Tension and Refractive Index of Dialkylsulfoxide + Water Mixtures at Several Temperatures	
srf	0.04	N/m	308.15	Surface and bulk behavior of (dialkylsulfoxides + carbon tetrachloride) mixtures	
srf	0.04	N/m	313.15	Surface and bulk behavior of (dialkylsulfoxides + carbon tetrachloride) mixtures	
srf	0.04	N/m	293.15	Thermodynamic surface properties of [BMIm][NTf2] or [EMIm][NTf2] binary mixtures with tetrahydrofuran, acetonitrile or dimethylsulfoxide	
srf	0.04	N/m	298.15	Thermodynamic surface properties of [BMIm][NTf2] or [EMIm][NTf2] binary mixtures with tetrahydrofuran, acetonitrile or dimethylsulfoxide	
srf	0.04	N/m	303.15	Thermodynamic surface properties of [BMIm][NTf2] or [EMIm][NTf2] binary mixtures with tetrahydrofuran, acetonitrile or dimethylsulfoxide	

srf	0.04	N/m	308.15	Thermodynamic surface properties of [BMIm][NTf2] or [EMIm][NTf2] binary mixtures with tetrahydrofuran, acetonitrile or dimethylsulfoxide	
srf	0.04	N/m	313.15	Thermodynamic surface properties of [BMIm][NTf2] or [EMIm][NTf2] binary mixtures with tetrahydrofuran, acetonitrile or dimethylsulfoxide	
srf	0.04	N/m	288.15	Study of surface tension and surface properties of binary systems of DMSO with long chain alcohols at various temperatures	
srf	0.04	N/m	298.15	Study of surface tension and surface properties of binary systems of DMSO with long chain alcohols at various temperatures	
srf	0.04	N/m	308.15	Study of surface tension and surface properties of binary systems of DMSO with long chain alcohols at various temperatures	
srf	0.04	N/m	318.15	Study of surface tension and surface properties of binary systems of DMSO with long chain alcohols at various temperatures	

srf	0.04	N/m	328.15	Study of surface tension and surface properties of binary systems of DMSO with long chain alcohols at various temperatures	
srf	0.04	N/m	298.15	Equilibrium surface tension and the interaction energy of DMSO with tert-butyl alcohol or iso-amyl alcohol at various temperatures	
srf	0.04	N/m	308.15	Equilibrium surface tension and the interaction energy of DMSO with tert-butyl alcohol or iso-amyl alcohol at various temperatures	
srf	0.04	N/m	318.15	Equilibrium surface tension and the interaction energy of DMSO with tert-butyl alcohol or iso-amyl alcohol at various temperatures	
srf	0.04	N/m	328.15	Equilibrium surface tension and the interaction energy of DMSO with tert-butyl alcohol or iso-amyl alcohol at various temperatures	
srf	0.04	N/m	298.15	Surface Tension and Refractive Index of Dialkylsulfoxide + Water Mixtures at Several Temperatures	

tcondl	0.18	W/m×K	339.35	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K	
tcondl	0.18	W/m×K	334.49	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K	
tcondl	0.18	W/m×K	329.31	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K	
tcondl	0.18	W/m×K	324.37	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K	
tcondl	0.18	W/m×K	314.33	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K	
tcondl	0.18	W/m×K	309.47	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K	

tcondl	0.18	W/m×K	304.64	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K
tcondl	0.19	W/m×K	299.84	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K
tcondl	0.19	W/m×K	294.83	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K
tcondl	0.18	W/m×K	319.33	Thermal Conductivity of DMSO + C2H5OH, DMSO + H2O, and DMSO + C2H5OH + H2O Mixtures at T = (278.15 to 338.15) K

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbp	462.19	K	95.30	Excess enthalpies of dimethylsulfoxide with substituted benzenes at 298.15K

tbp	461.55	K	96.60	Low cost apparatus for rapid boiling point determination of small air sensitive samples under inert atmosphere

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/T + C*ln(T) + D*T^2
Coeff. A	4.67806e+01
Coeff. B	-7.52281e+03
Coeff. C	-4.21562e+00
Coeff. D	-2.45086e-07
Temperature range (K), min.	291.67
Temperature range (K), max.	519.15

Datasets

Viscosity, Pa*s

Pressure, kPa - Liquid	Temperature, K - Liquid	Viscosity, Pa*s - Liquid
101.00	303.15	0.0018030

Reference *https://www.doi.org/10.1016/j.jct.2006.04.005*

Refractive index (Na D-line)

Pressure, kPa - Liquid	Temperature, K - Liquid	Refractive index (Na D-line) - Liquid
85.90	298.15	1.4762

Reference https://www.doi.org/10.1016/j.jct.2013.04.022

Pressure, kPa	Temperature, K	Refractive index (Na D-line)
81.50	298.15	1.4767

Reference https://www.doi.org/10.1021/je700645p

Mass density, kg/m3

Pressure, kPa - Liquid	Temperature, K - Liquid	Mass density, kg/m3 - Liquid
85.90	298.15	1095.29

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Legend

affp:	Proton affinity
basg:	Gas basicity
chl:	Standard liquid enthalpy of combustion
cpg:	Ideal gas heat capacity
cpl:	Liquid phase heat capacity
dvisc:	Dynamic viscosity
ea:	Electron affinity
econd:	Electrical conductivity
gf:	Standard Gibbs free energy of formation
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
sdco:	Self diffusion coefficient
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
tb:	Normal Boiling Point Temperature
tbp:	Boiling point at given pressure
tc:	Critical Temperature
tcondl:	Liquid thermal conductivity
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature
vc:	Critical Volume

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