Formamide, N,N-dimethyl-

Other names:	DMF
	DMF (amide)
	DMF (dimethylformamide)
	DMFA
	Dimethylamid kyseliny mravenci
	Dimethylforamide
	Dimethylformamid
	Dimethylformamide
	Dimetilformamide
	Dimetylformamidu
	Dwumetyloformamid
	Formyldimethylamine
	HCON(CH3)2
	N,N-Dimethylformaldehyde
	N,N-Dimethylformamide
	N,N-Dimethylmethanamide
	N-FORMYLDIMETHYLAMINE
	NCI-C60913
	NSC-5356
	U-4224
	UN 2265
	dimethylformamide (DMF)
Inchi:	InChI=1S/C3H7NO/c1-4(2)3-5/h3H,1-2H3
InchiKey:	ZMXDDKWLCZADIW-UHFFFAOYSA-N
Formula:	C3H7NO
SMILES:	CN(C)C=O
Mol. weight [g/mol]:	73.09
CAS:	68-12-2

Physical Properties

Property code	Value	Unit	Source
affp	887.50	kJ/mol	NIST Webbook
basg	856.60	kJ/mol	NIST Webbook
chl	-1941.90	kJ/mol	NIST Webbook
chl	-1941.60 ± 1.20	kJ/mol	NIST Webbook

dvisc	0.0008050	Pa×s	Thermodynamic Properties of Salophen Schiff Base + Ionic Liquid ([CnmIm][Br]) + Dimethylformamide Ternary Mixtures at 298.15 K
dvisc	0.0008610	Pa×s	Thermodynamic properties of ionic liquid, 1-hexyl-3-methylimidazolum bromide, + N-N'bis(2-pyridylmethylidene)-1,2-diiminoethane Schiff base + N,N-dimethylformamide solutions at T = (298.15 to 313.15) K
ea	0.01	eV	NIST Webbook
gf	-14.36	kJ/mol	Joback Method
hf	-123.30	kJ/mol	Joback Method
hfl	-239.40 ± 1.20	kJ/mol	NIST Webbook
hfl	-239.00	kJ/mol	NIST Webbook
hfus	46.65	kJ/mol	Enthalpies of vaporization of N,N-dialkyl monamides at 298.15K
hfus	8.95	kJ/mol	Thermodynamic properties of N,N-dimethylformamide and N,N-dimethylacetamide
hvap	47.57	kJ/mol	NIST Webbook
hvap	46.90	kJ/mol	NIST Webbook
hvap	46.70 ± 0.50	kJ/mol	NIST Webbook
ie	9.12 ± 0.02	eV	NIST Webbook
ie	9.25	eV	NIST Webbook
ie	9.14	eV	NIST Webbook
ie	9.45 ± 0.05	eV	NIST Webbook
ie	9.13	eV	NIST Webbook
ie	9.14	eV	NIST Webbook
log10ws	0.58		Crippen Method
logp	-0.296		Crippen Method
mcvol	64.680	ml/mol	McGowan Method
nfpaf	%!d(float64=2)		KDB
nfpah	%!d(float64=1)		KDB
pc	4862.97	kPa	Joback Method
rhoc	279.22 ± 5.85	kg/m3	NIST Webbook
rinpol	752.00		NIST Webbook
rinpol	747.00		NIST Webbook
rinpol	750.00		NIST Webbook
rinpol	756.30		NIST Webbook
rinpol	745.00		NIST Webbook
rinpol	742.00		NIST Webbook
rinpol	790.00		NIST Webbook

rinpol	772.00		NIST Webbook
rinpol	783.00		NIST Webbook
rinpol	746.00		NIST Webbook
rinpol	751.00		NIST Webbook
rinpol	746.00		NIST Webbook
rinpol	735.00		NIST Webbook
rinpol	738.00		NIST Webbook
rinpol	752.00		NIST Webbook
rinpol	746.00		NIST Webbook
rinpol	782.00		NIST Webbook
rinpol	772.00		NIST Webbook
rinpol	782.00		NIST Webbook
rinpol	753.00		NIST Webbook
ripol	1276.00		NIST Webbook
ripol	1326.00		NIST Webbook
ripol	1361.00		NIST Webbook
ripol	1282.00		NIST Webbook
ripol	1312.00		NIST Webbook
ripol	1327.00		NIST Webbook
ripol	1290.00		NIST Webbook
ripol	1295.00		NIST Webbook
ripol	1276.00		NIST Webbook
ripol	1344.00		NIST Webbook
ripol	1361.00		NIST Webbook
ripol	1319.00		NIST Webbook
ripol	1328.00		NIST Webbook
ripol	1344.00		NIST Webbook
ripol	1333.00		NIST Webbook
ripol	1304.00		NIST Webbook
ripol	1325.00		NIST Webbook
ripol	1326.00		NIST Webbook
tb	426.00 ± 1.00	K	NIST Webbook
tb	426.00	K	KDB
tb	425.70	K	Vapor liquid equilibria for water + acetic acid + (N,N-dimethylformamide or dimethyl sulfoxide) at 13.33 kPa
tb	426.05	K	Separation of azeotropic mixture (2, 2, 3, 3-Tetrafluoro-1-propanol + water) by extractive distillation: Entrainers selection and vapour-liquid equilibrium measurements

tb	425.15	K	Vapor Liquid Equilibrium Data for Methanol + tert-Butylamine + N,N-Dimethylformamide and Constituent Binary Systems at Atmospheric Pressure
tb	428.15 ± 2.00	K	NIST Webbook
tb	426.00 ± 3.00	K	NIST Webbook
tb	425.85 ± 0.25	K	NIST Webbook
tb	425.95 ± 0.50	K	NIST Webbook
tb	426.05 ± 0.30	K	NIST Webbook
tb	425.95 ± 0.70	K	NIST Webbook
tb	426.20	K	NIST Webbook
tb	426.21	K	Isobaric Vapor Liquid Equilibria for the Binary and Ternary Systems of 2-Methyl-1-butanol, 2-Methyl-butanol Acetate, and Dimethylformamide (DMF) at 101.3 kPa
tc	649.60	K	KDB
tc	649.60 ± 0.60	K	NIST Webbook
tf	212.72	K	KDB
tf	212.70 ± 0.02	K	NIST Webbook
vc	0.262	m3/kmol	KDB

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	117.36	J/mol×K	386.37	Joback Method
cpg	103.92	J/mol×K	329.14	Joback Method
cpg	110.79	J/mol×K	357.75	Joback Method
cpg	123.65	J/mol×K	414.98	Joback Method
cpg	129.66	J/mol×K	443.59	Joback Method
cpg	135.39	J/mol×K	472.20	Joback Method
cpg	140.87	J/mol×K	500.82	Joback Method
cpl	156.69	J/mol×K	298.00	NIST Webbook
cpl	146.05	J/mol×K	298.15	NIST Webbook
cpl	148.16	J/mol×K	298.15	NIST Webbook
cpl	149.28	J/mol×K	308.00	NIST Webbook
cpl	150.00	J/mol×K	298.15	NIST Webbook
cpl	148.36	J/mol×K	298.15	NIST Webbook
cpl	150.50	J/mol×K	298.15	NIST Webbook
cpl	150.80	J/mol×K	298.15	NIST Webbook

cpl	120.50	J/mol×K	298.00	NIST Webbook
cpl	148.00	J/mol×K	298.15	NIST Webbook
cpl	148.00	J/mol×K	298.00	NIST Webbook
cpl	150.80	J/mol×K	298.15	NIST Webbook
cpl	146.00	J/mol×K	298.15	NIST Webbook
cpl	152.00	J/mol×K	298.15	NIST Webbook
dvisc	0.0008045	Pa×s	298.15	Viscosity of Urea in the Mixture of N,N-Dimethylformamide and Water
dvisc	0.0008605	Pa×s	298.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0007712	Pa×s	308.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0006975	Pa×s	318.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0006374	Pa×s	328.15	Volumetric properties of ionic liquid 1,3-dimethylimidazolium methyl sulfate + molecular solvents at T = (298.15 - 328.15) K
dvisc	0.0007830	Pa×s	298.15	Densities, Viscosities, and Conductivities of Phosphonic Acid Solutions in N,N-Dimethylformamide and Water
dvisc	0.0006990	Pa×s	308.15	Densities, Viscosities, and Conductivities of Phosphonic Acid Solutions in N,N-Dimethylformamide and Water

dvisc	0.0006230	Pa×s	318.15	Densities, Viscosities, and Conductivities of Phosphonic Acid Solutions in N,N-Dimethylformamide and Water
dvisc	0.0005550	Pa×s	328.15	Densities, Viscosities, and Conductivities of Phosphonic Acid Solutions in N,N-Dimethylformamide and Water
dvisc	0.0008030	Pa×s	298.15	Excess Molar Volumes and Deviations in Viscosity of Binary Mixtures of N,N-Dimethylformamide with Aniline and Benzonitrile at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0007560	Pa×s	303.15	Excess Molar Volumes and Deviations in Viscosity of Binary Mixtures of N,N-Dimethylformamide with Aniline and Benzonitrile at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0007100	Pa×s	308.15	Excess Molar Volumes and Deviations in Viscosity of Binary Mixtures of N,N-Dimethylformamide with Aniline and Benzonitrile at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0006730	Pa×s	313.15	Excess Molar Volumes and Deviations in Viscosity of Binary Mixtures of N,N-Dimethylformamide with Aniline and Benzonitrile at (298.15, 303.15, 308.15, and 313.15) K

dvisc	0.0008030	Pa×s	298.15	Densities, Viscosities, and Thermodynamic Properties of (N,N-Dimethylformamide + Benzene + Chlorobenzene) Ternary Mixtures at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0007560	Pa×s	303.15	Densities, Viscosities, and Thermodynamic Properties of (N,N-Dimethylformamide + Benzene + Chlorobenzene) Ternary Mixtures at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0007100	Pa×s	308.15	Densities, Viscosities, and Thermodynamic Properties of (N,N-Dimethylformamide + Benzene + Chlorobenzene) Ternary Mixtures at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0006730	Pa×s	313.15	Densities, Viscosities, and Thermodynamic Properties of (N,N-Dimethylformamide + Benzene + Chlorobenzene) Ternary Mixtures at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0008030	Pa×s	298.15	Densities and Viscosities of Binary Mixtures of N,N-Dimethylformamide with Benzyl Alcohol and Acetophenone at (298.15, 303.15, 308.15, and 313.15) K

dvisc	0.0007560	Pa×s	303.15	Densities and Viscosities of Binary Mixtures of N,N-Dimethylformamide with Benzyl Alcohol and Acetophenone at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0007100	Pa×s	308.15	Densities and Viscosities of Binary Mixtures of N,N-Dimethylformamide with Benzyl Alcohol and Acetophenone at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0006730	Pa×s	313.15	Densities and Viscosities of Binary Mixtures of N,N-Dimethylformamide with Benzyl Alcohol and Acetophenone at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0008030	Pa×s	298.15	Density and Viscosity Studies of Binary Mixtures of N,N-Dimethylformamide with Toluene and Methyl Benzoate at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0007560	Pa×s	303.15	Density and Viscosity Studies of Binary Mixtures of N,N-Dimethylformamide with Toluene and Methyl Benzoate at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0007100	Pa×s	308.15	Density and Viscosity Studies of Binary Mixtures of N,N-Dimethylformamide with Toluene and Methyl Benzoate at (298.15, 303.15, 308.15, and 313.15) K

dvisc	0.0006730	Pa×s	313.15	Density and Viscosity Studies of Binary Mixtures of N,N-Dimethylformamide with Toluene and Methyl Benzoate at (298.15, 303.15, 308.15, and 313.15) K
dvisc	0.0008586	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	0.0007763	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	0.0007125	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	0.0007103	Pa×s	308.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in N,N-Dimethylformamide (1) + Water (2) Mixtures at (308.15, 313.15, 318.15, and 323.15) K

dvisc	0.0006691	Pa×s	313.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in N,N-Dimethylformamide (1) + Water (2) Mixtures at (308.15, 313.15, 318.15, and 323.15) K
dvisc	0.0006402	Pa×s	318.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in N,N-Dimethylformamide (1) + Water (2) Mixtures at (308.15, 313.15, 318.15, and 323.15) K
dvisc	0.0005999	Pa×s	323.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in N,N-Dimethylformamide (1) + Water (2) Mixtures at (308.15, 313.15, 318.15, and 323.15) K
dvisc	0.0010158	Pa×s	283.15	Conductometric Studies of 1-Ethyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Tetrafluoroborate in N,N-Dimethylformamide at Temperatures from (283.15 to 318.15) K

dvisc	0.0009545	Pa×s	288.15	Conductometric Studies of 1-Ethyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Tetrafluoroborate in N,N-Dimethylformamide at Temperatures from (283.15 to 318.15) K
dvisc	0.0008985	Pa×s	293.15	Conductometric Studies of 1-Ethyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Tetrafluoroborate in N,N-Dimethylformamide at Temperatures from (283.15 to 318.15) K
dvisc	0.0008455	Pa×s	298.15	Conductometric Studies of 1-Ethyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Tetrafluoroborate in N,N-Dimethylformamide at Temperatures from (283.15 to 318.15) K
dvisc	0.0007990	Pa×s	303.15	Conductometric Studies of 1-Ethyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Tetrafluoroborate in N,N-Dimethylformamide at Temperatures from (283.15 to 318.15) K

dvisc	0.0007553	Pa×s	308.15	Conductometric Studies of 1-Ethyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Tetrafluoroborate in N,N-Dimethylformamide at Temperatures from (283.15 to 318.15) K
dvisc	0.0007172	Pa×s	313.15	Conductometric Studies of 1-Ethyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Tetrafluoroborate in N,N-Dimethylformamide at Temperatures from (283.15 to 318.15) K
dvisc	0.0006826	Pa×s	318.15	Conductometric Studies of 1-Ethyl-3-methylimidazolium Tetrafluoroborate and 1-Butyl-3-methylimidazolium Tetrafluoroborate in N,N-Dimethylformamide at Temperatures from (283.15 to 318.15) K
dvisc	0.0008542	Pa×s	293.15	Viscosity of Urea in the Mixture of N,N-Dimethylformamide and Water
dvisc	0.0005999	Pa×s	323.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in N,N-Dimethylformamide at (308.15, 313.15, 318.15, and 323.15) K

dvisc	0.0006402	Pa×s	318.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in N,N-Dimethylformamide at (308.15, 313.15, 318.15, and 323.15) K
dvisc	0.0006691	Pa×s	313.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in N,N-Dimethylformamide at (308.15, 313.15, 318.15, and 323.15) K
dvisc	0.0007103	Pa×s	308.15	Electrical Conductances of Tetrabutylammonium Bromide, Sodium Tetraphenylborate, and Sodium Bromide in N,N-Dimethylformamide at (308.15, 313.15, 318.15, and 323.15) K
dvisc	0.0004590	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	0.0005010	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	0.0005520	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	0.0006080	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	0.0006780	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	0.0007590	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	0.0004600	Pa×s	353.15	Densities and Viscosities of N,N-Dimethylformamide + Formic Acid, and + Acetic Acid in the Temperature Range from (303.15 to 353.15) K
dvisc	0.0005020	Pa×s	343.15	Densities and Viscosities of N,N-Dimethylformamide + Formic Acid, and + Acetic Acid in the Temperature Range from (303.15 to 353.15) K
dvisc	0.0005520	Pa×s	333.15	Densities and Viscosities of N,N-Dimethylformamide + Formic Acid, and + Acetic Acid in the Temperature Range from (303.15 to 353.15) K

dvisc	0.0006080	Pa×s	323.15	Densities and Viscosities of N,N-Dimethylformamide + Formic Acid, and + Acetic Acid in the Temperature Range from (303.15 to 353.15) K
dvisc	0.0006750	Pa×s	313.15	Densities and Viscosities of N,N-Dimethylformamide + Formic Acid, and + Acetic Acid in the Temperature Range from (303.15 to 353.15) K
dvisc	0.0007600	Pa×s	303.15	Densities and Viscosities of N,N-Dimethylformamide + Formic Acid, and + Acetic Acid in the Temperature Range from (303.15 to 353.15) K
dvisc	0.0004700	Pa×s	353.15	Densities and Viscosities of (N,N-Dimethylformamide + Water) at Atmospheric Pressure from (283.15 to 353.15) K
dvisc	0.0005100	Pa×s	343.15	Densities and Viscosities of (N,N-Dimethylformamide + Water) at Atmospheric Pressure from (283.15 to 353.15) K
dvisc	0.0005590	Pa×s	333.15	Densities and Viscosities of (N,N-Dimethylformamide + Water) at Atmospheric Pressure from (283.15 to 353.15) K
dvisc	0.0006170	Pa×s	323.15	Densities and Viscosities of (N,N-Dimethylformamide + Water) at Atmospheric Pressure from (283.15 to 353.15) K

dvisc	0.0006840	Pa×s	313.15	Densities and Viscosities of (N,N-Dimethylformamide + Water) at Atmospheric Pressure from (283.15 to 353.15) K
dvisc	0.0007660	Pa×s	303.15	Densities and Viscosities of (N,N-Dimethylformamide + Water) at Atmospheric Pressure from (283.15 to 353.15) K
dvisc	0.0008640	Pa×s	293.15	Densities and Viscosities of (N,N-Dimethylformamide + Water) at Atmospheric Pressure from (283.15 to 353.15) K
dvisc	0.0005490	Pa×s	333.15	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	0.0006080	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	0.0006750	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	0.0007600	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	0.0008080	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	0.0008630	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	0.0007116	Pa×s	308.15	Viscosity of Urea in the Mixture of N,N-Dimethylformamide and Water
dvisc	0.0007547	Pa×s	303.15	Viscosity of Urea in the Mixture of N,N-Dimethylformamide and Water
dvisc	0.0004950	Pa×s	338.15	Densities, Viscosities, and Conductivities of Phosphonic Acid Solutions in N,N-Dimethylformamide and Water
econd	0.00	S/m	303.15	Micellar Properties and Related Thermodynamic Parameters of the 14-6-14, 2Br-Gemini Surfactant in Water + Organic Solvent Mixed Media
hfust	8.95	kJ/mol	212.90	NIST Webbook
hfust	8.95	kJ/mol	212.90	NIST Webbook
hfust	8.95	kJ/mol	212.85	NIST Webbook

hfust	8.95	kJ/mol	212.90	NIST Webbook
hvapt	46.70	kJ/mol	333.00	NIST Webbook
hvapt	42.50	kJ/mol	370.50	NIST Webbook
hvapt	49.20	kJ/mol	363.50	NIST Webbook
hvapt	43.60	kJ/mol	381.50	NIST Webbook
hvapt	41.80	kJ/mol	401.50	NIST Webbook
hvapt	43.10	kJ/mol	385.50	NIST Webbook
hvapt	56.70	kJ/mol	378.00	NIST Webbook
pvap	1.74	kPa	317.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	0.85	kPa	305.20	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	101.30	kPa	426.05	Separation of azeotropic mixture (2, 2, 3, 3-Tetrafluoro-1-propanol + water) by extractive distillation: Entrainers selection and vapour-liquid equilibrium measurements
pvap	17.37	kPa	367.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	96.15	kPa	424.60	Vapor Liquid Equilibrium Data for Binary Mixtures of Acetic Acid + Anisole, Acetone + Anisole, and Isopropanol + Anisole at Pressure 96.15 kPa
pvap	0.92	kPa	307.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	1.06	kPa	309.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide

pvap	1.20	kPa	311.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	1.36	kPa	313.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	1.53	kPa	315.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	0.69	kPa	302.20	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	1.95	kPa	319.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	2.18	kPa	321.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	2.43	kPa	323.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	2.70	kPa	325.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	16.07	kPa	365.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	14.85	kPa	363.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide

pvap	0.59	kPa	299.50	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	12.66	kPa	359.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	11.67	kPa	357.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	101.00	kPa	425.15	Vapor Liquid Equilibrium Data for Methanol + tert-Butylamine + N,N-Dimethylformamide and Constituent Binary Systems at Atmospheric Pressure
pvap	10.76	kPa	355.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	9.90	kPa	353.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	9.10	kPa	351.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	13.72	kPa	361.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	0.48	kPa	296.30	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	0.40	kPa	293.30	Vapour pressures and enthalpies of vaporisation of alkyl formamides

pvap	3.00	kPa	327.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	3.32	kPa	329.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	0.31	kPa	289.30	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	18.81	kPa	369.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	5.88	kPa	341.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	0.24	kPa	285.30	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	3.67	kPa	331.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	4.04	kPa	333.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	4.45	kPa	335.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	4.89	kPa	337.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide

pvap	5.37	kPa	339.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	0.20	kPa	283.10	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	6.43	kPa	343.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	7.03	kPa	345.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	7.67	kPa	347.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	8.36	kPa	349.15	Experimental Vapor Pressure Data and a Vapor Pressure Equation for N,N-Dimethylformamide
pvap	0.18	kPa	281.20	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	0.15	kPa	279.30	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	0.36	kPa	291.30	Vapour pressures and enthalpies of vaporisation of alkyl formamides
pvap	0.12	kPa	276.30	Vapour pressures and enthalpies of vaporisation of alkyl formamides

pvap	96.15	kPa	424.53	Vapor Liquid Equilibrium Data for Binary Mixtures of Acetic Acid + Anisole, Acetone + Anisole, and Isopropanol + Anisole at Pressure 96.15 kPa
rfi	1.43070		298.15	Densities and volumetric properties of binary mixtures of xylene with N,N-dimethylformamide at different temperatures
rfi	1.42880		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	1.42640		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	1.43030	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	1.43040	293.15	Experimental solubility for betulin and estrone in various solvents within the temperature range T = (293.2 to 328.2) K
rfi	1.42900	293.15	Effect of temperature and chain length on the viscosity and surface tension of binary systems of N,N-dimethylformamide with 1-octanol, 1-nonanol and 1-decanol
rfi	1.42900	293.10	Viscosity and surface tension of binary systems of N,N-dimethylformamide with alkan-1-ols at different temperatures
rfi	1.42100	313.15	Steric parameters and excess properties of hydroxamic acids
rfi	1.42300	308.15	Steric parameters and excess properties of hydroxamic acids
rfi	1.42530	303.15	Steric parameters and excess properties of hydroxamic acids
rfi	1.42700	298.15	Steric parameters and excess properties of hydroxamic acids

rfi	1.42220	313.15	Comparative study of physico-chemical properties of binary mixtures of N,N-dimethylformamide with 1-alkanols at different temperatures
rfi	1.42520	308.15	Comparative study of physico-chemical properties of binary mixtures of N,N-dimethylformamide with 1-alkanols at different temperatures
rfi	1.42710	303.15	Comparative study of physico-chemical properties of binary mixtures of N,N-dimethylformamide with 1-alkanols at different temperatures
rfi	1.42800	298.15	Comparative study of physico-chemical properties of binary mixtures of N,N-dimethylformamide with 1-alkanols at different temperatures
rfi	1.43070	298.15	Effects of the presence of ethylacetate or benzene on the densities and volumetric properties of mixture (styrene + N,N-dimethylformamide)
rfi	1.43070	298.15	Densities and excess volumes of binary mixtures of N,N-dimethylformamide with aromatic hydrocarbon at different temperature

rfi	1.43090	293.15	Solubility Data for Roflumilast and Maraviroc in Various Solvents between T = (278.2-323.2) K
rfi	1.42650	298.15	Phase Equilibria Involved in Extractive Distillation of Dipropyl Ether + 1-Propyl Alcohol Using N,N-Dimethylformamide as Entrainer
rfi	1.43100	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	1.42760	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	1.42300	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	1.41800	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	1.42820	298.15	Vapor-Liquid Equilibrium and Excess Gibbs Energies of Hexane + N,N-Dimethyl Formamide, 2-Methylpropan-2-ol + 2-Aminophenol, N,N-Dimethyl Formamide, and 2-Propanol + Diisopropyl Amine at 94.4 kPa

rfi	1.43070	293.10	Phase Equilibria of Binary Systems Comprising Formic Acid, N,N-Dimethylformamide, 1-Chloro-2-ethylhexane, and 2-Ethyl-1-hexanol
rfi	1.43070	293.10	Vapor-Liquid Equilibria of Binary Systems Comprising 1-Chloro-2-ethylhexane and 2-Ethyl-1-hexanol
rfi	1.42820	298.15	Bubble Temperature Measurements on Binary Mixtures Formed by Cyclohexane at 94.7 kPa
rfi	1.42190	298.15	Activity coefficients and excess Gibbs energy of binary mixtures of N,N-dimethyl formamide with selected compounds at 95.5 kPa
rfi	1.43050	293.15	Excess Gibbs' energies of the binary mixtures formed by N,N-dimethylformamide with xylenes and cresols at 95.1 kPa
rfi	1.42820	298.15	(Vapor + liquid) equilibrium of binary mixtures formed by N,N-dimethyl formamide with some compounds at 95.1 kPa
rfi	1.43050	293.15	Excess Gibbs energies of binary mixtures formed by nitrobenzene with selected compounds at 94.95 kPa

rfi	1.42820		298.15	Excess Gibbs energies of selected binary mixtures formed by N,N-dimethyl formamide at 95.5 kPa
rfi	1.42810		293.10	Phase equilibria for the extraction of sec-butylbenzene from dodecane with N,N-dimethylformamide
rfi	1.42650		298.15	Phase equilibria in the systems isobutyl alcohol +N,N-dimethylformamide, isobutyl acetate +N,N-dimethylformamide and isobutyl alcohol + isobutyl acetate +N,N-dimethylformamide at 101.3 kPa
rfi	1.42380		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
rhol	943.77	kg/m3	298.15	Density, Speed of Sound, and Viscosity of Diethylene Glycol Monoethyl Ether + N,N-Dimethylformamide (Ethanol, Water) at T = 288.15-318.15 K
rhol	919.86	kg/m3	323.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids

rhol	910.17	kg/m3	333.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	900.41	kg/m3	343.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	890.57	kg/m3	353.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	880.65	kg/m3	363.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	943.89	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	939.18	kg/m3	303.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	934.41	kg/m3	308.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid

rhol	929.64	kg/m3	313.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	924.86	kg/m3	318.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	920.07	kg/m3	323.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	915.26	kg/m3	328.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	910.44	kg/m3	333.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	905.60	kg/m3	338.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	900.74	kg/m3	343.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid

rhol	895.87	kg/m3	348.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	890.98	kg/m3	353.15	Influence of Aprotic Cosolvents on the Thermophysical Properties of Imidazolium-Based Ionic Liquid
rhol	944.69	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	943.93	kg/m3	298.15	Effect of Solvents and Temperature on Interactions in Binary and Ternary Mixtures of 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate with Acetonitrile or/and N,N-Dimethylformamide
rhol	939.16	kg/m3	303.15	Effect of Solvents and Temperature on Interactions in Binary and Ternary Mixtures of 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate with Acetonitrile or/and N,N-Dimethylformamide
rhol	934.37	kg/m3	308.15	Effect of Solvents and Temperature on Interactions in Binary and Ternary Mixtures of 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate with Acetonitrile or/and N,N-Dimethylformamide

rhol	929.58	kg/m3	313.15	Effect of Solvents and Temperature on Interactions in Binary and Ternary Mixtures of 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate with Acetonitrile or/and N,N-Dimethylformamide
rhol	924.76	kg/m3	318.15	Effect of Solvents and Temperature on Interactions in Binary and Ternary Mixtures of 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate with Acetonitrile or/and N,N-Dimethylformamide
rhol	919.95	kg/m3	323.15	Effect of Solvents and Temperature on Interactions in Binary and Ternary Mixtures of 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate with Acetonitrile or/and N,N-Dimethylformamide
rhol	953.29	kg/m3	288.15	Density, Speed of Sound, and Viscosity of Diethylene Glycol Monoethyl Ether + N,N-Dimethylformamide (Ethanol, Water) at T = 288.15-318.15 K
rhol	929.50	kg/m3	313.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	934.21	kg/m3	308.15	Density, Speed of Sound, and Viscosity of Diethylene Glycol Monoethyl Ether + N,N-Dimethylformamide (Ethanol, Water) at T = 288.15-318.15 K

rhol	924.59	kg/m3	318.15	Density, Speed of Sound, and Viscosity of Diethylene Glycol Monoethyl Ether + N,N-Dimethylformamide (Ethanol, Water) at T = 288.15-318.15 K
rhol	943.81	kg/m3	298.15	Liquid-Liquid Equilibrium and Excess Enthalpies in Binary Systems Methylcyclohexane + Methanol and Methylcyclohexane + N,N-Dimethylformamide
rhol	943.65	kg/m3	298.15	Excess Molar Volumes and Kinematic Viscosities for Binary Mixtures of Dipropylene Glycol Monobutyl Ether and Dipropylene Glycol tert-Butyl Ether with 2-Pyrrolidinone, N-Methyl-2-pyrrolidinone, N,N-Dimethylformamide, and N,N-Dimethylacetamide at 298.15 K
rhol	958.08	kg/m3	283.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	958.16	kg/m3	283.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide

rhol	958.08	kg/m3	283.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	948.57	kg/m3	293.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	948.65	kg/m3	293.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	943.80	kg/m3	298.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	939.07	kg/m3	303.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids

rhol	939.02	kg/m3	303.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	939.11	kg/m3	303.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	929.44	kg/m3	313.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	929.53	kg/m3	313.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	919.81	kg/m3	323.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide

rhol	919.90	kg/m3	323.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	910.12	kg/m3	333.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	910.20	kg/m3	333.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	943.81	kg/m3	298.15	Liquid-Liquid Equilibrium and Excess Enthalpies in the Binary System 2-Methylpentane + N,N-Dimethylformamide
rhol	944.20	kg/m3	298.15	Excess Molar Volumes and Viscosity Deviations for the Ternary System N,N-Dimethylformamide + N-Methylformamide + Water and the Binary Subsystems at 298.15 K

rhol	943.88	kg/m3	298.15	Thermodynamics of Mixtures Containing a Strongly Polar Compound. 8. Liquid-Liquid Equilibria for N,N-Dialkylamide + Selected N-Alkanes
rhol	943.88	kg/m3	298.15	Effect of N,N'-Bis(2-pyridylmethylidene)-1,2-diiminoethane (BPIE) Schiff Base on the Thermophysical Properties of Ionic Liquids in N,N-Dimethylformamide Solutions at 298.15 K
rhol	948.74	kg/m3	293.15	Volumetric Properties of Urea in the Mixture of N,N-Dimethylformamide with Water
rhol	943.98	kg/m3	298.15	Volumetric Properties of Urea in the Mixture of N,N-Dimethylformamide with Water
rhol	939.20	kg/m3	303.15	Volumetric Properties of Urea in the Mixture of N,N-Dimethylformamide with Water
rhol	934.42	kg/m3	308.15	Volumetric Properties of Urea in the Mixture of N,N-Dimethylformamide with Water
rhol	948.79	kg/m3	293.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide with N-Methylformamide and N,N-Dimethylformamide from (293.15 to 323.15) K

rhol	943.87	kg/m3	298.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide with N-Methylformamide and N,N-Dimethylformamide from (293.15 to 323.15) K
rhol	938.98	kg/m3	303.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide with N-Methylformamide and N,N-Dimethylformamide from (293.15 to 323.15) K
rhol	934.07	kg/m3	308.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide with N-Methylformamide and N,N-Dimethylformamide from (293.15 to 323.15) K
rhol	929.11	kg/m3	313.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide with N-Methylformamide and N,N-Dimethylformamide from (293.15 to 323.15) K
rhol	924.04	kg/m3	318.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide with N-Methylformamide and N,N-Dimethylformamide from (293.15 to 323.15) K

rhol	918.91	kg/m3	323.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide with N-Methylformamide and N,N-Dimethylformamide from (293.15 to 323.15) K
rhol	948.72	kg/m3	293.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	943.86	kg/m3	298.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	939.00	kg/m3	303.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K

rhol	934.08	kg/m3	308.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	929.13	kg/m3	313.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	924.06	kg/m3	318.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	918.96	kg/m3	323.15	Volumetric Properties of Binary Mixtures of 1-Butyl-1-Methylpyrrolidinium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K

rhol	953.79	kg/m3	288.15	Physicochemical Properties for the Binary Systems of Ionic Liquids [Cnmim]Cl + N,N-Dimethylformamide
rhol	944.26	kg/m3	298.15	Physicochemical Properties for the Binary Systems of Ionic Liquids [Cnmim]Cl + N,N-Dimethylformamide
rhol	934.69	kg/m3	308.15	Physicochemical Properties for the Binary Systems of Ionic Liquids [Cnmim]Cl + N,N-Dimethylformamide
rhol	925.16	kg/m3	318.15	Physicochemical Properties for the Binary Systems of Ionic Liquids [Cnmim]Cl + N,N-Dimethylformamide
rhol	948.72	kg/m3	293.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-Methylimidazolium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	943.86	kg/m3	298.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-Methylimidazolium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K

rhol	939.00	kg/m3	303.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-Methylimidazolium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	934.08	kg/m3	308.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-Methylimidazolium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	929.13	kg/m3	313.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-Methylimidazolium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	924.06	kg/m3	318.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-Methylimidazolium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K

rhol	918.96	kg/m3	323.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-Methylimidazolium Tris(pentafluoroethyl)trifluorophosphate with N-Methylformamide, N-Ethylformamide, N,N-Dimethylformamide, N,N-Dibutylformamide, and N,N-Dimethylacetamide from (293.15 to 323.15) K
rhol	943.82	kg/m3	298.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. III. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Chlorides in N,N-Dimethylformamide
rhol	943.80	kg/m3	298.15	Densities and Isothermal Compressibilities at Pressures up to 20 MPa of the Systems N,N-Dimethylformamide or N,N-Dimethylacetamide + r,o-Dichloroalkane
rhol	934.20	kg/m3	308.15	Densities and Isothermal Compressibilities at Pressures up to 20 MPa of the Systems N,N-Dimethylformamide or N,N-Dimethylacetamide + r,o-Dichloroalkane
rhol	943.81	kg/m3	298.15	Surface Tension and Surface Properties of Binary Mixtures of 1,4-Dioxane or N,N-Dimethyl Formamide with n-Alkyl Acetates

rhol	944.21	kg/m3	298.15	(Liquid + Liquid) Equilibrium for (N,N-Dimethylformamide (DMF) + Hexadecane) at Temperatures between (293.15 and 313.15) K and Ternary Mixtures of (DMF + Hexadecane) with Either Quinoline, or Pyridine, or Pyrrole, or Aniline, or Indole at T = 298.15 K
rhol	948.63	kg/m3	293.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	943.86	kg/m3	298.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	939.08	kg/m3	303.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	934.29	kg/m3	308.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures

rhol	929.48	kg/m3	313.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	924.68	kg/m3	318.15	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures
rhol	943.85	kg/m3	298.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	948.61	kg/m3	293.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	953.37	kg/m3	288.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	943.88	kg/m3	298.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. I. Apparent Molar Volumes and Compressibilities of Divalent Transition-Metal Perchlorates in N,N-Dimethylformamide
rhol	958.10	kg/m3	283.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids

rhol	962.83	kg/m3	278.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	967.56	kg/m3	273.15	Density, Viscosity, and Electrical Conductivity of Protic Amidium Bis(trifluoromethanesulfonyl)amide Ionic Liquids
rhol	900.57	kg/m3	343.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling
rhol	905.45	kg/m3	338.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling
rhol	910.31	kg/m3	333.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling

rhol	915.16	kg/m3	328.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling
rhol	919.99	kg/m3	323.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling
rhol	924.81	kg/m3	318.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling
rhol	929.62	kg/m3	313.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling

rhol	934.42	kg/m3	308.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling
rhol	939.20	kg/m3	303.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling
rhol	943.98	kg/m3	298.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling
rhol	948.74	kg/m3	293.15	Density and Speed of Sound of Binary Mixtures of Ionic Liquid 1-Ethyl-3-methylimidazolium Tetrafluoroborate, N,N-Dimethylformamide, and N,N-Dimethylacetamide at Temperature Range of 293.15 343.15 K: Measurement and PC-SAFT Modeling

rhol	944.08	kg/m3	298.15	Thermodynamics of amide + amine mixtures. 1. Volumetric, speed of sound, and refractive index data for N,Ndimethylformamide + N-propylpropan-1-amine, + N-butylbutan-1-amine, + butan-1-amine, or + hexan-1-amine systems at several temperatures
rhol	948.88	kg/m3	293.15	Thermodynamics of amide + amine mixtures. 1. Volumetric, speed of sound, and refractive index data for N,Ndimethylformamide + N-propylpropan-1-amine, + N-butylbutan-1-amine, + butan-1-amine, or + hexan-1-amine systems at several temperatures
rhol	910.33	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	920.02	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	929.64	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	939.23	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	943.70	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	919.90	kg/m3	323.15	Excess volumes, Viscosities, and Excess Gibbs Energy of Activation for Viscous Flow, for binary and ternary mixtures 1- propanol + N-N dimethylformamid + chloroform at different temperatures

rhol	929.10	kg/m3	313.15	Excess volumes, Viscosities, and Excess Gibbs Energy of Activation for Viscous Flow, for binary and ternary mixtures 1- propanol + N-N dimethylformamid + chloroform at different temperatures
rhol	938.70	kg/m3	303.15	Excess volumes, Viscosities, and Excess Gibbs Energy of Activation for Viscous Flow, for binary and ternary mixtures 1- propanol + N-N dimethylformamid + chloroform at different temperatures
rhol	948.30	kg/m3	293.15	Excess volumes, Viscosities, and Excess Gibbs Energy of Activation for Viscous Flow, for binary and ternary mixtures 1- propanol + N-N dimethylformamid + chloroform at different temperatures
rhol	934.34	kg/m3	308.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents
rhol	939.12	kg/m3	303.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents

rhol	943.89	kg/m3	298.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents
rhol	948.66	kg/m3	293.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents
rhol	953.41	kg/m3	288.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents
rhol	958.17	kg/m3	283.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents
rhol	962.91	kg/m3	278.15	Thermodynamic evidence for nano-heterogeneity in solutions of the macrocycle C-butylresorcin[4]arene in non-aqueous solvents
rhol	924.73	kg/m3	318.15	Solvation of ionic liquids based on N-methyl-N-alkylmorpholinium cations in N,N-dimethylformamide and N,N-dimethylacetamide - Volumetric and compressibility studies
rhol	929.54	kg/m3	313.15	Solvation of ionic liquids based on N-methyl-N-alkylmorpholinium cations in N,N-dimethylformamide and N,N-dimethylacetamide - Volumetric and compressibility studies

rhol	934.34	kg/m3	308.15	Solvation of ionic liquids based on N-methyl-N-alkylmorpholinium cations in N,N-dimethylformamide and N,N-dimethylacetamide - Volumetric and compressibility studies
rhol	939.12	kg/m3	303.15	Solvation of ionic liquids based on N-methyl-N-alkylmorpholinium cations in N,N-dimethylformamide and N,N-dimethylacetamide - Volumetric and compressibility studies
rhol	943.90	kg/m3	298.15	Solvation of ionic liquids based on N-methyl-N-alkylmorpholinium cations in N,N-dimethylformamide and N,N-dimethylacetamide - Volumetric and compressibility studies
rhol	890.98	kg/m3	353.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	895.87	kg/m3	348.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	900.74	kg/m3	343.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	905.60	kg/m3	338.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride

rhol	910.44	kg/m3	333.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	915.26	kg/m3	328.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	920.07	kg/m3	323.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	924.86	kg/m3	318.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	929.64	kg/m3	313.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	934.41	kg/m3	308.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	939.18	kg/m3	303.15	Effect of organic solvents on lowering the viscosity of 1-hexyl-3-methylimidazolium chloride
rhol	915.14	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	924.80	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	929.61	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	934.40	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	939.19	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	943.95	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	935.00	kg/m3	308.00	Densities, ultrasonic speeds and refractive indices of phenetole with N-methyl-2-pyrrolidone, N,N-dimethylformamide and tetrahydrofuran binary mixtures at different temperatures

rhol	939.00	kg/m3	303.00	Densities, ultrasonic speeds and refractive indices of phenetole with N-methyl-2-pyrrolidone, N,N-dimethylformamide and tetrahydrofuran binary mixtures at different temperatures
rhol	944.00	kg/m3	298.00	Densities, ultrasonic speeds and refractive indices of phenetole with N-methyl-2-pyrrolidone, N,N-dimethylformamide and tetrahydrofuran binary mixtures at different temperatures
rhol	939.28	kg/m3	303.15	Thermodynamics of amide + ketone mixtures. 1. Volumetric, speed of sound and refractive index data for N,N-dimethylformamide + 2-alkanone systems at several temperatures
rhol	944.06	kg/m3	298.15	Thermodynamics of amide + ketone mixtures. 1. Volumetric, speed of sound and refractive index data for N,N-dimethylformamide + 2-alkanone systems at several temperatures
rhol	948.82	kg/m3	293.15	Thermodynamics of amide + ketone mixtures. 1. Volumetric, speed of sound and refractive index data for N,N-dimethylformamide + 2-alkanone systems at several temperatures

rhol	924.74	kg/m3	318.15	Solvation of alkaline earth metal ions in N,N-dimethylformamide and N,N-dimethylacetamide - A volumetric and acoustic study
rhol	929.55	kg/m3	313.15	Solvation of alkaline earth metal ions in N,N-dimethylformamide and N,N-dimethylacetamide - A volumetric and acoustic study
rhol	934.35	kg/m3	308.15	Solvation of alkaline earth metal ions in N,N-dimethylformamide and N,N-dimethylacetamide - A volumetric and acoustic study
rhol	939.14	kg/m3	303.15	Solvation of alkaline earth metal ions in N,N-dimethylformamide and N,N-dimethylacetamide - A volumetric and acoustic study
rhol	943.91	kg/m3	298.15	Solvation of alkaline earth metal ions in N,N-dimethylformamide and N,N-dimethylacetamide - A volumetric and acoustic study
rhol	935.05	kg/m3	308.15	Excess molar volumes and excess isentropic compressibilities of binary and ternary mixtures of o-chlorotoluene with cyclic ether and amides or cyclohexane at different temperatures

rhol	939.83	kg/m3	303.15	Excess molar volumes and excess isentropic compressibilities of binary and ternary mixtures of o-chlorotoluene with cyclic ether and amides or cyclohexane at different temperatures
rhol	944.60	kg/m3	298.15	Excess molar volumes and excess isentropic compressibilities of binary and ternary mixtures of o-chlorotoluene with cyclic ether and amides or cyclohexane at different temperatures
rhol	934.39	kg/m3	308.15	Solution behavior of {(formamide/N-methylformamide/ N,N-dimethylformamide) + CsCl + water} ternary systems at multiple temperatures
rhol	943.89	kg/m3	298.15	Solution behavior of {(formamide/N-methylformamide/ N,N-dimethylformamide) + CsCl + water} ternary systems at multiple temperatures
rhol	953.53	kg/m3	288.15	Solution behavior of {(formamide/N-methylformamide/ N,N-dimethylformamide) + CsCl + water} ternary systems at multiple temperatures
rhol	943.97	kg/m3	298.15	Ionic molar volumes in methanol mixtures with acetonitrile, N,N-dimethylformamide and propylene carbonate at T = 298.15 K

rhol	929.91	kg/m3	313.15	Solution thermodynamics of iron(III)-N,N'-ethylene-bis(salicylideneiminato)-chloride in binary mixtures of N,N-dimethylformamide and acetonitrile at T = (298.15, 303.15, 308.15 and 313.15) K
rhol	935.71	kg/m3	308.15	Solution thermodynamics of iron(III)-N,N'-ethylene-bis(salicylideneiminato)-chloride in binary mixtures of N,N-dimethylformamide and acetonitrile at T = (298.15, 303.15, 308.15 and 313.15) K
rhol	940.05	kg/m3	303.15	Solution thermodynamics of iron(III)-N,N'-ethylene-bis(salicylideneiminato)-chloride in binary mixtures of N,N-dimethylformamide and acetonitrile at T = (298.15, 303.15, 308.15 and 313.15) K
rhol	944.65	kg/m3	298.15	Solution thermodynamics of iron(III)-N,N'-ethylene-bis(salicylideneiminato)-chloride in binary mixtures of N,N-dimethylformamide and acetonitrile at T = (298.15, 303.15, 308.15 and 313.15) K
rhol	935.05	kg/m3	308.15	Topological and thermodynamic investigations of mixtures containing o-chlorotoluene and lower amides
rhol	939.83	kg/m3	303.15	Topological and thermodynamic investigations of mixtures containing o-chlorotoluene and lower amides

rhol	944.60	kg/m3	298.15	Topological and thermodynamic investigations of mixtures containing o-chlorotoluene and lower amides
rhol	933.60	kg/m3	313.00	Thermo-acoustical studies of 1,3,4-oxadiazole as binary mixture at three different temperatures
rhol	937.20	kg/m3	308.00	Thermo-acoustical studies of 1,3,4-oxadiazole as binary mixture at three different temperatures
rhol	941.70	kg/m3	303.00	Thermo-acoustical studies of 1,3,4-oxadiazole as binary mixture at three different temperatures
rhol	924.80	kg/m3	318.15	Solubility for dilute sulfur dioxide in binary mixtures of N,N-dimethylformamide + Ethylene Glycol at T = 308.15 Kand p = 122.66 kPa
rhol	929.50	kg/m3	313.15	Solubility for dilute sulfur dioxide in binary mixtures of N,N-dimethylformamide + Ethylene Glycol at T = 308.15 Kand p = 122.66 kPa
rhol	934.50	kg/m3	308.15	Solubility for dilute sulfur dioxide in binary mixtures of N,N-dimethylformamide + Ethylene Glycol at T = 308.15 Kand p = 122.66 kPa

rhol	939.30	kg/m3	303.15	Solubility for dilute sulfur dioxide in binary mixtures of N,N-dimethylformamide + Ethylene Glycol at T = 308.15 Kand p = 122.66 kPa
rhol	944.10	kg/m3	298.15	Solubility for dilute sulfur dioxide in binary mixtures of N,N-dimethylformamide + Ethylene Glycol at T = 308.15 Kand p = 122.66 kPa
rhol	926.60	kg/m3	318.15	Densities, ultrasonic speeds, viscosities and excess properties of binary mixtures of methyl methacrylate with N,N-dimethylformamide and N,N-dimethylacetamide at different temperatures
rhol	931.10	kg/m3	313.15	Densities, ultrasonic speeds, viscosities and excess properties of binary mixtures of methyl methacrylate with N,N-dimethylformamide and N,N-dimethylacetamide at different temperatures
rhol	935.60	kg/m3	308.15	Densities, ultrasonic speeds, viscosities and excess properties of binary mixtures of methyl methacrylate with N,N-dimethylformamide and N,N-dimethylacetamide at different temperatures

rhol	940.10	kg/m3	303.15	Densities, ultrasonic speeds, viscosities and excess properties of binary mixtures of methyl methacrylate with N,N-dimethylformamide and N,N-dimethylacetamide at different temperatures
rhol	944.60	kg/m3	298.15	Densities, ultrasonic speeds, viscosities and excess properties of binary mixtures of methyl methacrylate with N,N-dimethylformamide and N,N-dimethylacetamide at different temperatures
rhol	949.10	kg/m3	293.15	Densities, ultrasonic speeds, viscosities and excess properties of binary mixtures of methyl methacrylate with N,N-dimethylformamide and N,N-dimethylacetamide at different temperatures
rhol	953.61	kg/m3	288.15	Densities, ultrasonic speeds, viscosities and excess properties of binary mixtures of methyl methacrylate with N,N-dimethylformamide and N,N-dimethylacetamide at different temperatures

rhol	944.29	kg/m3	298.15	Physico-chemical properties of binary mixtures of N,N-dimethylformamide with 1-octanol, 1-nonanol and 1-decanol at different temperatures
rhol	910.11	kg/m3	333.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium, lutetium and sodium trifluoromethanesulfonates in N,N-dimethylformamide and N,N-dimethylacetamide
rhol	919.81	kg/m3	323.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium, lutetium and sodium trifluoromethanesulfonates in N,N-dimethylformamide and N,N-dimethylacetamide
rhol	929.43	kg/m3	313.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium, lutetium and sodium trifluoromethanesulfonates in N,N-dimethylformamide and N,N-dimethylacetamide
rhol	939.01	kg/m3	303.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium, lutetium and sodium trifluoromethanesulfonates in N,N-dimethylformamide and N,N-dimethylacetamide

rhol	943.79	kg/m3	298.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium, lutetium and sodium trifluoromethanesulfonates in N,N-dimethylformamide and N,N-dimethylacetamide
rhol	948.56	kg/m3	293.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium, lutetium and sodium trifluoromethanesulfonates in N,N-dimethylformamide and N,N-dimethylacetamide
rhol	958.07	kg/m3	283.15	Apparent molar volumes and compressibilities of lanthanum, gadolinium, lutetium and sodium trifluoromethanesulfonates in N,N-dimethylformamide and N,N-dimethylacetamide
rhol	944.60	kg/m3	298.15	Densities and volumetric properties of binary mixtures of N,N-dimethylformamide/N,N-dimethylacetamide with some alkyl acrylates at temperatures from 288.15 K to 318.15 K
rhol	933.60	kg/m3	313.00	Thermo-physical properties of 1,3,4-oxadiazole derivatives in pure solvents
rhol	937.20	kg/m3	308.00	Thermo-physical properties of 1,3,4-oxadiazole derivatives in pure solvents
rhol	941.70	kg/m3	303.00	Thermo-physical properties of 1,3,4-oxadiazole derivatives in pure solvents

rhol	944.50	kg/m3	298.15	Physics and chemistry of an ionic liquid in some industrially important solvent media probed by physicochemical techniques
rhol	924.68	kg/m3	318.15	Apparent molar volumes and expansibilities of H2O and D2O in N,N-dimethylformamide and N,N-dimethylacetamide in the range of T = (278.15 to 318.15) K at p = 0.1 MPa: A comparative analysis
rhol	934.30	kg/m3	308.15	Apparent molar volumes and expansibilities of H2O and D2O in N,N-dimethylformamide and N,N-dimethylacetamide in the range of T = (278.15 to 318.15) K at p = 0.1 MPa: A comparative analysis
rhol	943.87	kg/m3	298.15	Apparent molar volumes and expansibilities of H2O and D2O in N,N-dimethylformamide and N,N-dimethylacetamide in the range of T = (278.15 to 318.15) K at p = 0.1 MPa: A comparative analysis
rhol	953.40	kg/m3	288.15	Apparent molar volumes and expansibilities of H2O and D2O in N,N-dimethylformamide and N,N-dimethylacetamide in the range of T = (278.15 to 318.15) K at p = 0.1 MPa: A comparative analysis

rhol	962.90	kg/m3	278.15	Apparent molar volumes and expansibilities of H2O and D2O in N,N-dimethylformamide and N,N-dimethylacetamide in the range of T = (278.15 to 318.15) K at p = 0.1 MPa: A comparative analysis
rhol	944.34	kg/m3	298.15	Excess molar enthalpies of binary systems containing 2-octanone, hexanoic acid, or octanoic acid at T = 298.15 K
rhol	943.81	kg/m3	298.15	Excess molar enthalpies and (vapour + liquid) equilibria for mixtures containing N,N-dialkylamides and a,x-dichloroalkanes
rhol	943.81	kg/m3	298.15	(Vapour + liquid) equilibria and excess molar enthalpies for binary mixtures containing N,N-dialkylamides and 1-chloroalkanes
rhol	935.55	kg/m3	308.15	Structural and interactional studies of homologous series of a,x-alkanediols in N,N-dimethylformamide
rhol	926.70	kg/m3	318.15	Densities and volumetric properties of (acetonitrile + an amide) binary mixtures at temperatures between 293.15 K and 318.15 K
rhol	931.20	kg/m3	313.15	Densities and volumetric properties of (acetonitrile + an amide) binary mixtures at temperatures between 293.15 K and 318.15 K

rhol	935.70	kg/m3	308.15	Densities and volumetric properties of (acetonitrile + an amide) binary mixtures at temperatures between 293.15 K and 318.15 K	
rhol	940.10	kg/m3	303.15	Densities and volumetric properties of (acetonitrile + an amide) binary mixtures at temperatures between 293.15 K and 318.15 K	
rhol	944.60	kg/m3	298.15	Densities and volumetric properties of (acetonitrile + an amide) binary mixtures at temperatures between 293.15 K and 318.15 K	
rhol	949.10	kg/m3	293.15	Densities and volumetric properties of (acetonitrile + an amide) binary mixtures at temperatures between 293.15 K and 318.15 K	
rhol	935.55	kg/m3	308.15	A comparative study of thermophysical and spectroscopic properties in mixtures of isomeric butanediol and N,N-dimethylformamide	
rhol	949.17	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	943.79	kg/m3	298.15	Limiting partial molar volumes and expansibilities of ammonium perchlorate, tetraalkylammonium perchlorates, and tetrabutylammonium tetraphenylborate in N,N-dimethylformamide
rhol	885.68	kg/m3	358.15	Volumetric properties of (N,N-dimethylformamide + aliphatic diethers) at Temperatures ranging from (298.15 to 358.15) K
rhol	900.41	kg/m3	343.15	Volumetric properties of (N,N-dimethylformamide + aliphatic diethers) at Temperatures ranging from (298.15 to 358.15) K
rhol	930.98	kg/m3	313.15	Volumetric properties of (N,N-dimethylformamide + aliphatic diethers) at Temperatures ranging from (298.15 to 358.15) K
rhol	943.85	kg/m3	298.15	Volumetric properties of (N,N-dimethylformamide + aliphatic diethers) at Temperatures ranging from (298.15 to 358.15) K
rhol	943.98	kg/m3	298.15	PrhoT measurement and PC-SAFT modeling of N,N-dimethyl formamide, N -methyl formamide, N,N-dimethyl acetamide, and ethylenediamine from T = (293.15-423.15) K and pressures up to 35 MPa

rhol	924.70	kg/m3	318.15	Solubility for dilute sulfur dioxide, viscosities, excess properties, and viscous flow thermodynamics of binary system N, N-dimethylformamide + diethylene glycol
rhol	929.90	kg/m3	313.15	Solubility for dilute sulfur dioxide, viscosities, excess properties, and viscous flow thermodynamics of binary system N, N-dimethylformamide + diethylene glycol
rhol	934.20	kg/m3	308.15	Solubility for dilute sulfur dioxide, viscosities, excess properties, and viscous flow thermodynamics of binary system N, N-dimethylformamide + diethylene glycol
rhol	939.60	kg/m3	303.15	Solubility for dilute sulfur dioxide, viscosities, excess properties, and viscous flow thermodynamics of binary system N, N-dimethylformamide + diethylene glycol
rhol	943.90	kg/m3	298.15	Solubility for dilute sulfur dioxide, viscosities, excess properties, and viscous flow thermodynamics of binary system N, N-dimethylformamide + diethylene glycol

rhol	943.83	kg/m3	298.15	Volumetric investigation of the ternary system ethanol + dimethylformamide + cyclohexane at 298.15 K
rhol	948.70	kg/m3	293.15	Bubble point measurements of binary mixtures formed by 1-hexanol with selected nitro-compounds and substituted benzenes at 95.6 kPa
rhol	916.40	kg/m3	313.15	Effect of temperature on ultrasonic velocity and thermodynamic parameters of bisphenol-C-formaldehyde-acrylate resin solutions
rhol	919.70	kg/m3	308.15	Effect of temperature on ultrasonic velocity and thermodynamic parameters of bisphenol-C-formaldehyde-acrylate resin solutions
rhol	927.20	kg/m3	303.15	Effect of temperature on ultrasonic velocity and thermodynamic parameters of bisphenol-C-formaldehyde-acrylate resin solutions
rhol	943.81	kg/m3	298.15	Liquid liquid equilibrium in ternary systems N,N-dimethylformamide + 2-methylpentane + methanol and N,N-dimethylformamide + methylcyclohexane + methanol
rhol	943.81	kg/m3	298.15	Revision of the volumetric method for measurements of liquid liquid equilibria in binary systems

rhol	932.50	kg/m3	313.15	Interpretation of Association Behavior and Molecular Interactions in Binary Mixtures from Thermoacoustics and Molecular Compression Data	
rhol	935.70	kg/m3	308.15	Interpretation of Association Behavior and Molecular Interactions in Binary Mixtures from Thermoacoustics and Molecular Compression Data	
rhol	941.90	kg/m3	303.15	Interpretation of Association Behavior and Molecular Interactions in Binary Mixtures from Thermoacoustics and Molecular Compression Data	
rhol	950.10	kg/m3	298.15	Interpretation of Association Behavior and Molecular Interactions in Binary Mixtures from Thermoacoustics and Molecular Compression Data	
rhol	955.10	kg/m3	293.15	Interpretation of Association Behavior and Molecular Interactions in Binary Mixtures from Thermoacoustics and Molecular Compression Data	

rhol	943.78	kg/m3	298.15	Thermodynamics of amide + amine mixtures. 5. Excess molar enthalpies of N,N-dimethylformamide or N,N-dimethylacetamide + N-propylpropan-1-amine, + N-butylbutan-1-amine, + butan-1-amine, or + hexan-1-amine systems at 298.15 K. Application of the ERAS model
rhol	939.36	kg/m3	303.15	Thermodynamics of amide + amine mixtures. 1. Volumetric, speed of sound, and refractive index data for N,Ndimethylformamide + N-propylpropan-1-amine, + N-butylbutan-1-amine, + butan-1-amine, or + hexan-1-amine systems at several temperatures
rhol	915.07	kg/m3	328.15	Volumetric properties of (N,N-dimethylformamide + aliphatic diethers) at Temperatures ranging from (298.15 to 358.15) K
sfust	41.80	J/mol×K	212.85	NIST Webbook
speedsl	1457.13	m/s	298.15	Apparent Molar Compressibilities and Volumes of Some 1,1-Electrolytes in N,N-Dimethylacetamide and N,N-Dimethylformamide

speedsl	1496.60	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	1477.27	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	1457.81	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	1438.38	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	1419.04	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

speedsl	1457.49	m/s	298.15	Isentropic compressibilities of (amide + water) mixtures: A comparative study
speedsl	1460.20	m/s	298.15	Compressibility Studies of Binary Solutions Involving Water as a Solute in Nonaqueous Solvents at T) 298.15 K
speedsl	1457.13	m/s	298.15	Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. V. Apparent Molar Volumes and Compressibilities of Divalent Transition Metal Bromides in N,N-Dimethylformamide
srf	0.03	N/m	327.88	Surface Tension of Pure Liquids and Binary Liquid Mixtures
srf	0.04	N/m	278.15	Thermodynamic investigation of N,N-dimethylformamide/toluene binary mixtures in the temperature range from 278.15 to 293.15 K
srf	0.04	N/m	283.15	Thermodynamic investigation of N,N-dimethylformamide/toluene binary mixtures in the temperature range from 278.15 to 293.15 K
srf	0.04	N/m	293.15	Thermodynamic investigation of N,N-dimethylformamide/toluene binary mixtures in the temperature range from 278.15 to 293.15 K
srf	0.04	N/m	277.85	Surface Tension of Pure Liquids and Binary Liquid Mixtures
srf	0.04	N/m	287.81	Surface Tension of Pure Liquids and Binary Liquid Mixtures

srf	0.04	N/m	297.82	Surface Tension of Pure Liquids and Binary Liquid Mixtures
srf	0.03	N/m	307.86	Surface Tension of Pure Liquids and Binary Liquid Mixtures
srf	0.03	N/m	317.86	Surface Tension of Pure Liquids and Binary Liquid Mixtures
srf	0.03	N/m	327.89	Surface Tension of Pure Liquids and Binary Liquid Mixtures

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.46587e+01
Coeff. B	-3.67936e+03
Coeff. C	-5.96930e+01
Temperature range (K), min.	315.72
Temperature range (K), max.	649.60

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/T + C*ln(T) + D*T^2
Coeff. A	1.59178e+02
Coeff. B	-1.14422e+04
Coeff. C	-2.15502e+01
Coeff. D	1.49998e-05
Temperature range (K), min.	212.72
Temperature range (K), max.	647.00

Datasets

Mass density, kg/m3

Temperature, K - Liquid	Pressure, kPa - Liquid	Mass density, kg/m3 - Liquid
298.15	85.90	944.53

Reference *https://www.doi.org/10.1016/j.fluid.2013.05.022*

Temperature, K	Pressure, kPa	Mass density, kg/m3
313.12	1008.00	930.41
313.12	2010.00	931.09
313.12	3012.00	931.73
313.12	4008.00	932.38
313.12	5004.00	933.04
313.12	6002.00	933.68
313.12	7002.00	934.32
313.12	8004.00	934.97
313.12	9000.00	935.62
313.12	10004.00	936.27
313.12	11004.00	936.89
313.12	12004.00	937.51
313.12	13005.00	938.14
313.12	14007.00	938.78
313.12	15002.00	939.37
313.12	16012.00	940.0
313.12	17009.00	940.59
313.12	18015.00	941.19
313.12	19010.00	941.79
313.12	20013.00	942.42
313.12	21009.00	942.99
313.12	22011.00	943.58
313.12	23019.00	944.17
313.12	24013.00	944.75
313.12	25011.00	945.35
323.06	1014.00	920.89
323.06	2007.00	921.59
323.06	3026.00	922.27
323.06	4006.00	922.95
323.06	5016.00	923.62
323.06	6010.00	924.3
323.06	7006.00	924.99
323.06	8010.00	925.64

323.06	9012.00	926.32
323.06	10014.00	926.99
323.06	11011.00	927.65
323.06	12013.00	928.31
323.06	13007.00	928.97
323.06	14011.00	929.62
323.06	15008.00	930.29
323.06	16014.00	930.92
323.06	17004.00	931.54
323.06	18006.00	932.19
323.06	19006.00	932.82
323.06	20005.00	933.44
323.06	21002.00	934.07
323.06	22013.00	934.7
323.06	23015.00	935.31
323.06	24008.00	935.92
323.06	25012.00	936.53
333.00	1008.00	911.34
333.00	2018.00	912.08
333.00	3006.00	912.78
333.00	4005.00	913.51
333.00	5005.00	914.23
333.00	6008.00	914.97
333.00	7003.00	915.68
333.00	8009.00	916.39
333.00	9010.00	917.11
333.00	10008.00	917.81
333.00	11008.00	918.51
333.00	12008.00	919.2
333.00	13013.00	919.9
333.00	14006.00	920.57
333.00	15007.00	921.24
333.00	16011.00	921.92
333.00	17019.00	922.59
333.00	18010.00	923.27
333.00	19004.00	923.91
333.00	20012.00	924.58
333.00	21005.00	925.24
333.00	22005.00	925.88
333.00	23014.00	926.52
333.00	24009.00	927.19
333.00	25009.00	927.83
342.86	1028.00	901.52
342.86	2020.00	902.3

342.86	3015.00	903.09
342.86	4002.00	903.84
342.86	5035.00	904.63
342.86	6026.00	905.39
342.86	7013.00	906.13
342.86	8017.00	906.89
342.86	9024.00	907.66
342.86	10012.00	908.38
342.86	11048.00	909.14
342.86	11999.00	909.83
342.86	13018.00	910.6
342.86	14029.00	911.32
342.86	15007.00	912.03
342.86	15994.00	912.71
342.86	17041.00	913.47
342.86	18012.00	914.16
342.86	19006.00	914.85
342.86	20042.00	915.55
342.86	21025.00	916.22
342.86	22008.00	916.9
342.86	23079.00	917.63
342.86	24008.00	918.25
342.86	25017.00	918.93
352.80	1040.00	891.76
352.80	2009.00	892.57
352.80	3011.00	893.41
352.80	4020.00	894.22
352.80	5050.00	895.06
352.80	6060.00	895.78
352.80	6996.00	896.53
352.80	8008.00	897.34
352.80	9034.00	898.16
352.80	10019.00	898.93
352.80	11043.00	899.73
352.80	11998.00	900.45
352.80	13028.00	901.24
352.80	14015.00	901.99
352.80	15028.00	902.74
352.80	16000.00	903.48
352.80	17011.00	904.23
352.80	17999.00	904.96
352.80	19044.00	905.73
352.80	20050.00	906.43
352.80	21038.00	907.16

352.80	21955.00	907.8
352.80	23009.00	908.57
352.80	23996.00	909.27
352.80	25056.00	910.04
362.67	1058.00	882.04
362.67	2038.00	882.89
362.67	3044.00	883.77
362.67	4027.00	884.62
362.67	5068.00	885.54
362.67	6036.00	886.37
362.67	7025.00	887.22
362.67	8027.00	888.03
362.67	9045.00	888.9
362.67	10021.00	889.71
362.67	11024.00	890.55
362.67	11996.00	891.3
362.67	13061.00	892.19
362.67	14027.00	892.95
362.67	15025.00	893.73
362.67	15987.00	894.49
362.67	17050.00	895.32
362.67	18009.00	896.08
362.67	19041.00	896.85
362.67	20032.00	897.62
362.67	21035.00	898.36
362.67	22014.00	899.1
362.67	23018.00	899.87
362.67	24007.00	900.58
362.67	25016.00	901.35

Reference *https://www.doi.org/10.1021/je050050p*

Temperature, K	Pressure, kPa	Mass density, kg/m3
288.15	100.00	953.4
288.15	2100.00	954.5
288.15	4000.00	955.6
288.15	6100.00	956.8
288.15	7900.00	957.8
288.15	9900.00	958.9
288.15	12100.00	960.1
288.15	14000.00	961.2
288.15	16000.00	962.2
288.15	18000.00	963.3

288.15	19800.00	964.3
298.15	100.00	943.8
298.15	2000.00	945.0
298.15	4100.00	946.2
298.15	6100.00	947.4
298.15	8100.00	948.6
298.15	10100.00	949.8
298.15	12100.00	951.0
298.15	14100.00	952.1
298.15	16300.00	953.3
298.15	18300.00	954.3
298.15	20100.00	955.5
308.15	100.00	935.0
308.15	2000.00	936.2
308.15	4100.00	937.6
308.15	6100.00	938.9
308.15	8100.00	940.0
308.15	10100.00	941.2
308.15	12100.00	942.5
308.15	14300.00	943.7
308.15	16300.00	944.9
308.15	18300.00	946.0
308.15	20200.00	947.0
318.15	100.00	925.5
318.15	2100.00	926.9
318.15	4000.00	928.3
318.15	6000.00	929.6
318.15	7900.00	930.8
318.15	10200.00	932.2
318.15	12000.00	933.4
318.15	14000.00	934.5
318.15	16000.00	935.8
318.15	18000.00	937.0
318.15	20200.00	938.1

Reference *https://www.doi.org/10.1021/je700096m*

Sources

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Solubility of 1,1-diamino-2,2-dinitroethylene in different pure solvents and binary mixtures (dimethyl sulfoxide þ water) and (N,N-dimethylformamide þ water) at different temperatures:	https://www.doi.org/10.1016/j.fluid.2017.12.035
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Determination and Correlation of Solubilities of Lithium Bis(oxalate)borate in Six Different Solvents from (293.15 to 363.15) K:	https://www.doi.org/10.1021/je500068b
Solubility Data for Roflumilast and [illegible] in Various Solvents between T = (278.2–323.2) K:	https://www.doi.org/10.1021/acs.jced.9b00710
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Densities and Viscosities of N,N-Dimethylformamide + Formic Acid, and + Acetic Acid in the Temperature Range from (303.15 to 353.15) K:	https://www.doi.org/10.1021/je700755t
Enthalpies of Dilution of L-Alanine in Dimethylsulfoxide + Water and Dimethylformamide + Water Mixtures at 298.15 K:	https://www.doi.org/10.1021/je9005322
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Excess molar enthalpies of binary systems containing 2-octanone, [illegible]	https://www.doi.org/10.1016/j.jct.2011.07.018
[illegible] excess molar volumes of binary mixtures of N,N-dimethyl formamide with methyl acrylate, or ethyl acrylate, or butyl acrylate, or 2-ethyl hexyl acrylate at T = 308.15 K:	https://www.doi.org/10.1016/j.jct.2011.06.011
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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
rhoc:	Critical density
rhol:	Liquid Density
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
sfust:	Entropy of fusion at a given temperature
speedsl:	Speed of sound in fluid
srf:	Surface Tension
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume