Methane, nitro-

Other names: Cl	H3NO2
N	N
NS	SC 428
Ni	trocarbol
Ni	trometan
Ni	tromethane
U	N 1261
nit	romethane [NM]
Inchi: Ind	ChI=1S/CH3NO2/c1-2(3)4/h1H3
InchiKey:	GJENNIWJXYER-UHFFFAOYSA-N
Formula: Cł	H3NO2
SMILES: C[N+](=O)[O-]
Mol. weight [g/mol]: 61	.04
CAS: 75	5-52-5

Physical Properties

Property code	Value	Unit	Source
af	0.3100		KDB
affp	754.60	kJ/mol	NIST Webbook
aigt	691.48	К	KDB
basg	721.60	kJ/mol	NIST Webbook
chl	-709.20	kJ/mol	NIST Webbook
chl	-709.60 ± 0.40	kJ/mol	NIST Webbook
chl	-703.00 ± 1.00	kJ/mol	NIST Webbook
chl	-709.15 ± 0.59	kJ/mol	NIST Webbook
chl	-733.25 ± 0.75	kJ/mol	NIST Webbook
dm	3.10	debye	KDB
ea	0.17 ± 0.01	eV	NIST Webbook
ea	0.49 ± 0.11	eV	NIST Webbook
ea	0.01	eV	NIST Webbook
ea	0.26 ± 0.08	eV	NIST Webbook
ea	0.50 ± 0.02	eV	NIST Webbook
ea	0.96 ± 0.01	eV	NIST Webbook
ea	0.45 ± 0.05	eV	NIST Webbook
ea	0.44 ± 0.20	eV	NIST Webbook
fll	7.30	% in Air	KDB
fpc	316.48	K	KDB

ha a	200.45	17	KDD
fpo	308.15	K	KDB
gf	-6.95	kJ/mol	KDB
gyrad	2.3060	le l/m al	KDB
hf	-81.00 ± 1.00	kJ/mol	NIST Webbook
hf	-74.78	kJ/mol	KDB
hfl	-113.00 ± 0.40	kJ/mol	NIST Webbook
hfl	-113.10 ± 0.63	kJ/mol	NIST Webbook
hfl	-89.04 ± 0.75	kJ/mol	NIST Webbook
hfus	9.71	kJ/mol	Joback Method
hvap	38.30 ± 0.10	kJ/mol	NIST Webbook
hvap	37.20	kJ/mol	NIST Webbook
hvap	38.36	kJ/mol	NIST Webbook
hvap	34.50 ± 0.08	kJ/mol	NIST Webbook
hvap	38.00 ± 0.40	kJ/mol	NIST Webbook
hvap	38.00 ± 0.40	kJ/mol	NIST Webbook
hvap	38.37	kJ/mol	NIST Webbook
ie	11.05	eV	NIST Webbook
ie	11.28 ± 0.08	eV	NIST Webbook
ie	11.07 ± 0.01	eV	NIST Webbook
ie	11.04 ± 0.02	eV	NIST Webbook
ie	11.12	eV	NIST Webbook
ie	11.23 ± 0.01	eV	NIST Webbook
ie	10.70	eV	NIST Webbook
ie	11.13 ± 0.01	eV	NIST Webbook
ie	11.10	eV	NIST Webbook
ie	11.08 ± 0.03	eV	NIST Webbook
ie	11.10 ± 0.05	eV	NIST Webbook
ie	11.29	eV	NIST Webbook
ie	11.47	eV	NIST Webbook
ie	11.31	eV	NIST Webbook
ie	11.80	eV	NIST Webbook
ie	11.29	eV	NIST Webbook
ie	11.28 ± 0.08	eV	NIST Webbook
ie	11.31 ± 0.01	eV	NIST Webbook
ie	11.08 ± 0.04	eV	NIST Webbook
ie	11.28	eV	NIST Webbook
ie	11.07	eV	NIST Webbook
log10ws	0.26		Estimated Solubility Method
log10ws	0.26		Aqueous Solubility Prediction Method
logp	-0.107		Crippen Method
mcvol	42.370	ml/mol	McGowan Method
nfpaf	%!d(float64=3)		KDB
nfpah	%!d(float64=1)		KDB

nfpas	%!d(float64=4)		KDB
рс	5870.00	kPa	KDB
рс	5870.00 ± 58.65	kPa	NIST Webbook
рс	6310.00 ± 103.42	kPa	NIST Webbook
rhoc	352.20 ± 3.05	kg/m3	NIST Webbook
rinpol	526.00		NIST Webbook
rinpol	521.00		NIST Webbook
rinpol	526.00		NIST Webbook
rinpol	531.00		NIST Webbook
rinpol	487.00		NIST Webbook
rinpol	521.00		NIST Webbook
rinpol	531.00		NIST Webbook
rinpol	543.60		NIST Webbook
rinpol	512.00		NIST Webbook
rinpol	565.00		NIST Webbook
rinpol	565.00		NIST Webbook
rinpol	531.00		NIST Webbook
rinpol	500.00		NIST Webbook
rinpol	500.00		NIST Webbook
rinpol	556.00		NIST Webbook
rinpol	526.13		NIST Webbook
rinpol	527.75		NIST Webbook
rinpol	527.88		NIST Webbook
rinpol	528.15		NIST Webbook
rinpol	528.66		NIST Webbook
rinpol	529.26		NIST Webbook
rinpol	530.05		NIST Webbook
rinpol	531.15		NIST Webbook
rinpol	528.60		NIST Webbook
rinpol	565.00		NIST Webbook
rinpol	536.00		NIST Webbook
rinpol	565.00		NIST Webbook
rinpol	528.16		NIST Webbook
rinpol	527.85		NIST Webbook
rinpol	536.00		NIST Webbook
rinpol	565.00		NIST Webbook
ripol	1178.50		NIST Webbook
ripol	1180.60		NIST Webbook
ripol	1179.20		NIST Webbook
ripol	1159.00		NIST Webbook
ripol	1187.80		NIST Webbook
ripol	1188.50		NIST Webbook
ripol	1187.80		NIST Webbook
ripol	1159.00		NIST Webbook

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tb 374.85 ± 0.30 K	KDB
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tb 374.17 ± 0.25 K I	NIST Webbook
tb 374.43 ± 0.30 K	NIST Webbook
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tb 374.25 ± 0.30 K I	NIST Webbook
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tc 588.00 K I	NIST Webbook
tf 244.32 K Ac Pr	queous Solubility rediction Method
tf 244.55 ± 0.40 K I	NIST Webbook
tf 243.11 ± 0.05 K I	NIST Webbook
tf 243.95 ± 0.30 K	NIST Webbook
tf 244.00 ± 2.00 K	NIST Webbook
crysta points heati	ent determination of Illisation and melting s at low cooling and ing rates with novel
tf 244.60 ± 0.05 K I	mputer controlled equipment
tf 244.60 K	
tt 244.77 ± 0.02 K	equipment

VC	0.173	m3/kmol	KDB
ZC	0.2077160		KDB
zra	0.23		KDB

Temperature Dependent Properties

Property code	Value	Unit	Temperature [H	[] Source	
cpg	67.43	J/mol×K	374.12	Joback Method	
cpg	71.78	J/mol×K	409.74	Joback Method	
cpg	75.92	J/mol×K	445.36	Joback Method	
cpg	79.86	J/mol×K	480.98	Joback Method	
cpg	83.59	J/mol×K	516.60	Joback Method	
cpg	87.12	J/mol×K	552.22	Joback Method	
cpg	90.47	J/mol×K	587.84	Joback Method	
cpl	106.90	J/mol×K	298.15 a	Excess molar properties for binary systems of alkylimidazolium-base ionic liquids + nitromethane. Experimental results and ERAS-model calculations	d
cpl	106.22	J/mol×K	308.00	NIST Webbook	
cpl	108.60	J/mol×K	318.15 a	Excess molar properties for binary systems of alkylimidazolium-base ionic liquids + nitromethane. Experimental results and ERAS-model calculations	d
cpl	108.20	J/mol×K	313.15 a	Excess molar properties for binary systems of alkylimidazolium-base ionic liquids + nitromethane. Experimental results and ERAS-model calculations	d

cpl	107.70	J/mol×K	308.15	Excess molar properties for binary systems of alkylimidazolium-base ionic liquids + nitromethane. Experimental results and ERAS-model calculations	ed
cpl	108.80	J/mol×K	313.00	NIST Webbook	
cpl	106.60	J/mol×K	293.15	Excess molar properties for binary systems of alkylimidazolium-base ionic liquids + nitromethane. Experimental results and ERAS-model calculations	ed
cpl	100.00	J/mol×K	298.00	NIST Webbook	
cpl	107.30	J/mol×K	303.15	Excess molar properties for binary systems of alkylimidazolium-base ionic liquids + nitromethane. Experimental results and ERAS-model calculations	ed
cpl	105.98	J/mol×K	298.15	NIST Webbook	
hfust	9.70	kJ/mol	244.80	NIST Webbook	
hfust	9.70	kJ/mol	244.80	NIST Webbook	
hfust	9.70	kJ/mol	244.77	NIST Webbook	
hvapt	35.20 ± 0.10	kJ/mol	353.00	NIST Webbook	
hvapt	34.00 ± 0.10	kJ/mol	374.00	NIST Webbook	
hvapt	33.99	kJ/mol	374.40	NIST Webbook	
hvapt	34.41	kJ/mol	374.00	KDB	
hvapt	36.30 ± 0.10	kJ/mol	335.00	NIST Webbook	
hvapt	37.20 ± 0.10	kJ/mol	318.00	NIST Webbook	
hvapt	35.20	kJ/mol	440.50	NIST Webbook	
hvapt	36.80	kJ/mol	369.00	NIST Webbook	
hvapt	38.27	kJ/mol	298.15	NIST Webbook	
kvisc	0.000006	m2/s	295.15	Densities, Viscosities, and Speeds of Sound of the Nitromethane + 1-Pentanol System near the Critical Demixing Temperature: Effect of Deuterium Substitution	

kvisc	0.000005	m2/s	308.15	Densities, Viscosities, and Speeds of Sound of the Nitromethane + 1-Pentanol System near the Critical Demixing Temperature: Effect of Deuterium Substitution	
kvisc	0.000005	m2/s	305.15	Densities, Viscosities, and Speeds of Sound of the Nitromethane + 1-Pentanol System near the Critical Demixing Temperature: Effect of Deuterium Substitution	
kvisc	0.000005	m2/s	303.15	Densities, Viscosities, and Speeds of Sound of the Nitromethane + 1-Pentanol System near the Critical Demixing Temperature: Effect of Deuterium Substitution	
kvisc	0.000005	m2/s	300.15	Densities, Viscosities, and Speeds of Sound of the Nitromethane + 1-Pentanol System near the Critical Demixing Temperature: Effect of Deuterium Substitution	
kvisc	0.000006	m2/s	298.15	Densities, Viscosities, and Speeds of Sound of the Nitromethane + 1-Pentanol System near the Critical Demixing Temperature: Effect of Deuterium Substitution	

kvisc	0.000006	m2/s	293.15	Densities, Viscosities, and Speeds of Sound of the Nitromethane + 1-Pentanol System near the Critical Demixing Temperature: Effect of Deuterium Substitution	
rfi	1.37990		298.15	Physico-chemical studies of sodium tetraphenylborate and tetrabutylammonium tetraphenylborate in pure nitrobenzene and nitromethane and their binaries probed by conductometry, refractometry and FT-IR spectroscopy	
rfi	1.37940		298.15	Isothermal Vapor Liquid Equilibria for Nitromethane and Nitroethane + 1,3-Dichloropropane Binary Systems at Temperatures between (343.15 and 363.15) K	
rfi	1.37960		298.15	Density and refractive index in mixtures of ionic liquids and organic solvents: Correlations and predictions	
rfi	1.37930		298.15	Isothermal (vapour + liquid) equilibria for (nitromethane or nitroethane + 1,4-dichlorobutane) binary systems at temperatures between (343.15 and 363.15) K	

rfi	1.37956		298.15	Isothermal vapor liquid equilibria and excess Gibbs free energies in some binary nitroalkane + chloroalkane mixtures at temperatures from 298.15 K to 318.15 K	
rhol	1130.91	kg/m3	298.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1117.29	kg/m3	308.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1103.55	kg/m3	318.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1130.90	kg/m3	298.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1117.28	kg/m3	308.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	

rhol	1103.53	kg/m3	318.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1130.95	kg/m3	298.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1117.32	kg/m3	308.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1103.57	kg/m3	318.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1103.50	kg/m3	318.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1117.14	kg/m3	308.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	

rhol	1103.39	kg/m3	318.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1117.23	kg/m3	308.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1103.48	kg/m3	318.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K	
rhol	1140.20	kg/m3	293.15 1 [.]	Density and Heat Capacity as a Function of Temperature for Binary Mixtures of Butyl-3-methylpyridinin Tetrafluoroborate + Water, + Ethanol, and + Nitromethane	um
rhol	1133.40	kg/m3	298.15 1 [.]	Density and Heat Capacity as a Function of Temperature for Binary Mixtures of Butyl-3-methylpyridinit Tetrafluoroborate + Water, + Ethanol, and + Nitromethane	um
rhol	1126.60	kg/m3	303.15 1 [.]	Density and Heat Capacity as a Function of Temperature for Binary Mixtures of Butyl-3-methylpyridinit Tetrafluoroborate + Water, + Ethanol, and + Nitromethane	Jm

rhol	1119.70	kg/m3	308.15 Density and Heat Capacity as a Function of Temperature for Binary Mixtures of 1-Butyl-3-methylpyridinium Tetrafluoroborate + Water, + Ethanol, and + Nitromethane
rhol	1112.90	kg/m3	313.15 Density and Heat Capacity as a Function of Temperature for Binary Mixtures of 1-Butyl-3-methylpyridinium Tetrafluoroborate + Water, + Ethanol, and + Nitromethane
rhol	1106.00	kg/m3	318.15 Density and Heat Capacity as a Function of Temperature for Binary Mixtures of 1-Butyl-3-methylpyridinium Tetrafluoroborate + Water, + Ethanol, and + Nitromethane
rhol	1117.24	kg/m3	308.15 Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K
rhol	1130.76	kg/m3	298.15 Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K
rhol	1130.90	kg/m3	298.15 Volumetric Properties for (Ionic Liquid + Methanol or Ethanol or 1-Propanol + Nitromethane) at 298.15 K and Atmospheric Pressure

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rhol	1131.10	kg/m3	298.15	Asymmetric liquid-liquid criticality in the ideal volumetric mixing approximation	
rhol	1103.79	kg/m3	318.15	Water as a solute in nitromethane: Effect of H2O-D2O isotope substitution on the solution volumetric properties between 278.15 K and 318.15 K	
rhol	1117.53	kg/m3	308.15	Water as a solute in nitromethane: Effect of H2O-D2O isotope substitution on the solution volumetric properties between 278.15 K and 318.15 K	
rhol	1131.18	kg/m3	298.15	Water as a solute in nitromethane: Effect of H2O-D2O isotope substitution on the solution volumetric properties between 278.15 K and 318.15 K	
rhol	1144.75	kg/m3	288.15	Water as a solute in nitromethane: Effect of H2O-D2O isotope substitution on the solution volumetric properties between 278.15 K and 318.15 K	
rhol	1158.25	kg/m3	278.15	Water as a solute in nitromethane: Effect of H2O-D2O isotope substitution on the solution volumetric properties between 278.15 K and 318.15 K	

rhol	1130.15	kg/m3	298.15	lonic solvation of tetrabutylammonium hexafluorophosphate in pure nitromethane, 1, 3-dioxolane and nitrobenzene: A comparative physicochemical study
rhol	1138.00	kg/m3	293.00	KDB
rhol	1130.15	kg/m3	298.15	Exploration of Solvation Consequence of Ionic Liquid [Bu4PCH3SO3] in Various Solvent Systems by Conductance and FTIR Study
rhol	1130.86	kg/m3	298.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K
sfust	39.64	J/mol×K	244.77	NIST Webbook
speedsl	1242.39	m/s	318.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories
speedsl	1242.60	m/s	318.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories

speedsl	1321.33	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1281.87	m/s	308.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1242.45	m/s	318.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1321.16	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1281.75	m/s	308.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	

speedsl	1242.47	m/s	318.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1321.62	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1281.90	m/s	308.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1242.49	m/s	318.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	

speedsl	1321.26	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1281.77	m/s	308.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1282.03	m/s	308.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1321.18	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1321.20	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	

speedsl	1281.78	m/s	308.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1242.46	m/s	318.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1321.49	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1242.50	m/s	318.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	

speedsl	1321.50	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1282.12	m/s	308.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1242.76	m/s	318.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
speedsl	1321.74	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories	
srf	0.04	N/m	293.20	KDB	
svapt	128.36	J/mol×K	298.15	NIST Webbook	

Correlations

Information

Property code	руар
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.53705e+01
Coeff. B	-3.66507e+03
Coeff. C	-3.32310e+01
Temperature range (K), min.	244.60
Temperature range (K), max.	588.15

Information

Value

Descriptions de	
Property code	pvap
Equation	$ln(Pvp) = A + B/T + C^*ln(T) + D^*T^2$
Coeff. A	8.31812e+01
Coeff. B	-7.21717e+03
Coeff. C	-1.02078e+01
Coeff. D	8.36912e-06
Temperature range (K), min.	244.60
Temperature range (K), max.	588.15

Datasets

Mass density, kg/m3

Pressure, kPa - Liquid	Temperature, K - Liquid	Mass density, kg/m3 - Liquid
100.00	298.15	1130.15
Reference		https://www.doi.org/10.1021/je400536f

Sources

Water as a solute in nitromethane: Effect of H2O-D2O isotope substitution Bhysic echamical since is of societies termesary barries and 318.15 K: to 318.15 K:

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https://www.doi.org/10.1016/j.jct.2012.08.022

http://webbook.nist.gov/cgi/cbook.cgi?ID=C75525&Units=SI

Solutes Dissolved in Two The sevence of the sevence

Pressure: Isothermal vapour liquid equilibria for 1,2-dichloroethane + nitromethane and sathreethal Appraricy stems at thin pratice is and sathreethal Appraricy stems at the source is an approximate is an approximate is an approximate is an approximate is a statistic of the source is an approximate is an approximate is a statistic of the source is an approximate is a statistic of the source is a statistic of th 1,2-dichloroethane + nitromethane and

Chipmatography: Chipmatography: Chipmatography: Perchlorate) of Tetrabutylammonium Starsartipereningistiscondereningi Starsartipereningistiscondereningis ef Sigabia Apoppoint formulazolium Buba yang dan ang buba shi ang buba Bi Sama Ganan yi shi ang lang buba Bi Sama Ganan yi shi ang lang buba Buba shi ang buba shi Buba shi ang buba shi Buba shi ang bu

Activity coefficients at infinite dilution

of organic solutes in Annegiper Sephenitare Pradiction Nethorits using gas-liquid chromatography: lonic solvation of tetrabutylammonium Ionic solvation of tetrabutylammonium hexafluorophosphate in pure Artivity the afficiency is at using a pilot of programmer of the program

KDB Pure (Korean Thermophysical Properties Databank): Densities, Viscosities, and Speeds of

Densities, Viscosities, and Speeds of Sound of the Nitromethane + Fransmoley stangtestive of the Stand Standard ConsistenceAntys://www.doi.org/10.1016/j.jct.2008.07Density and far fixed at the start of th Pansitike bahar variation of the second seco 1-Butyl-3-methylimidazolium Tetrafluoroborate Using Inverse Gas Chromatography:

https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure

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Interactions of Volatile Organic Compounds with the Ionic Liquid EBbay Presention Particulation Ditrogenetion of the Introbenzene: New Experimente Over its Methemical Calculations: Partition Coefficients of Organic Compounds in New Imidazolium and Tetralkylammonium Based Ionic Liquids Using Inverse Gas Chromatography: Legend

https://www.doi.org/10.1021/je200822w https://www.doi.org/10.1016/j.jct.2013.12.013 http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt https://www.doi.org/10.1021/je9003178

- (
af:	Acentric Factor
affp:	Proton affinity
aigt:	Autoignition Temperature
basg:	Gas basicity
chl:	Standard liquid enthalpy of combustion
cpg:	Ideal gas heat capacity
cpl:	Liquid phase heat capacity
dm:	Dipole Moment
ea:	Electron affinity
fll:	Lower Flammability Limit
fpc:	Flash Point (Closed Cup Method)
fpo:	Flash Point (Open Cup Method)
gf:	Standard Gibbs free energy of formation
gyrad:	Radius of Gyration
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
kvisc:	Kinematic viscosity
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
nfpas:	NFPA Safety 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
sl:	Liquid phase molar entropy at standard conditions
speedsl:	Speed of sound in fluid
srf:	Surface Tension
svapt:	Entropy of vaporization at a given temperature
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature
vc:	Critical Volume
zc:	Critical Compressibility
zra:	Rackett Parameter

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