

2-Propanol, 1-amino-

Other names:	(. +/-)-1-Amino-2-propanol (RS)-1-Amino-2-hydroxypropane .alpha.-aminoisopropyl alcohol 1-Amino-2-hydroxypropane 1-Amino-2-propanol 1-Aminoisopropylalcohol 1-Aminopropanol-(2) 1-Methyl-2-aminoethanol 1-aminopropan-2-ol 2-Amino-1-methylethanol 2-Hydroxy-1-propylamine 2-Hydroxypropanamine 2-Hydroxypropylamine 2-Propanol, 1-amino-, (. +/-)- Isopropanolamine MIPA Monoisopropanolamine NSC 3188 Threanine dl-1-Amino-2-propanol «alpha»-Aminoisopropyl alcohol Â«alphaÂ»-Aminoisopropyl alcohol
Inchi:	InChI=1S/C3H9NO/c1-3(5)2-4/h3,5H,2,4H2,1H3
InchiKey:	HXKKHQJGJAFBHI-UHFFFAOYSA-N
Formula:	C3H9NO
SMILES:	CC(O)CN
Mol. weight [g/mol]:	75.11
CAS:	78-96-6

Physical Properties

Property code	Value	Unit	Source
dvisc	0.0232590	Paxs	Densities, Viscosities, and Refractive Indices of Aqueous Alkanolamine Solutions as Potential Carbon Dioxide Removal Reagents
gf	-98.43	kJ/mol	Joback Method

hf	-228.97		kJ/mol	Joback Method
h _{fus}	9.29		kJ/mol	Joback Method
h _{vap}	49.20		kJ/mol	Joback Method
log ₁₀ w _s	0.11			Crippen Method
log _p	-0.674			Crippen Method
m _{cvol}	68.980		ml/mol	McGowan Method
pc	5495.11		kPa	Joback Method
ripol	660.00			NIST Webbook
ripol	672.00			NIST Webbook
ripol	1342.00			NIST Webbook
ripol	1352.00			NIST Webbook
ripol	1356.00			NIST Webbook
ripol	1380.00			NIST Webbook
ripol	1350.00			NIST Webbook
ripol	1368.00			NIST Webbook
tb	433.00		K	NIST Webbook
tb	433.20		K	NIST Webbook
tc	613.40		K	Joback Method
tf	275.00 ± 0.02		K	NIST Webbook
vc	0.245		m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	149.06	J/mol×K	462.49	Joback Method
cpg	142.31	J/mol×K	432.31	Joback Method
cpg	161.74	J/mol×K	522.85	Joback Method
cpg	167.68	J/mol×K	553.03	Joback Method
cpg	173.36	J/mol×K	583.21	Joback Method
cpg	178.78	J/mol×K	613.40	Joback Method
cpg	155.54	J/mol×K	492.67	Joback Method
cpl	221.00	J/mol×K	333.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	218.00	J/mol×K	328.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K

cpl	223.00	J/mol×K	338.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	215.00	J/mol×K	318.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	214.00	J/mol×K	313.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	213.00	J/mol×K	308.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	209.00	J/mol×K	303.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	225.00	J/mol×K	343.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	228.00	J/mol×K	348.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	230.00	J/mol×K	353.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	217.00	J/mol×K	323.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K

hvapt	51.60	kJ/mol	368.50	NIST Webbook
rfi	1.44609		298.15	Volumetric Properties, Viscosities, and Refractive Indices for Aqueous 1-Amino-2-Propanol (Monoisopropanolamine (MIPA)) Solutions from (298.15 to 343.15) K
rfi	1.44800		293.15	Volumetric Properties, Viscosities, and Refractive Indices for Aqueous 1-Amino-2-Propanol (Monoisopropanolamine (MIPA)) Solutions from (298.15 to 343.15) K
rfi	1.44211		308.15	Volumetric Properties, Viscosities, and Refractive Indices for Aqueous 1-Amino-2-Propanol (Monoisopropanolamine (MIPA)) Solutions from (298.15 to 343.15) K
rfi	1.44009		313.15	Volumetric Properties, Viscosities, and Refractive Indices for Aqueous 1-Amino-2-Propanol (Monoisopropanolamine (MIPA)) Solutions from (298.15 to 343.15) K
rfi	1.43817		318.15	Volumetric Properties, Viscosities, and Refractive Indices for Aqueous 1-Amino-2-Propanol (Monoisopropanolamine (MIPA)) Solutions from (298.15 to 343.15) K

rfi	1.43631		323.15	Volumetric Properties, Viscosities, and Refractive Indices for Aqueous 1-Amino-2-Propanol (Monoisopropanolamine (MIPA)) Solutions from (298.15 to 343.15) K
rfi	1.43405		328.15	Volumetric Properties, Viscosities, and Refractive Indices for Aqueous 1-Amino-2-Propanol (Monoisopropanolamine (MIPA)) Solutions from (298.15 to 343.15) K
rfi	1.44409		303.15	Volumetric Properties, Viscosities, and Refractive Indices for Aqueous 1-Amino-2-Propanol (Monoisopropanolamine (MIPA)) Solutions from (298.15 to 343.15) K
rfi	1.43208		333.15	Volumetric Properties, Viscosities, and Refractive Indices for Aqueous 1-Amino-2-Propanol (Monoisopropanolamine (MIPA)) Solutions from (298.15 to 343.15) K
rfi	1.44610		298.15	Density, Speed of Sound, Refractive Index, and Viscosity of 1-Amino-2-Propanol {or Bis(2-hydroxypropyl)amine} + Triethanolamine + Water from T = (288.15 to 333.15) K
rhoI	929.42	kg/m ³	331.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	960.38	kg/m3	293.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	959.99	kg/m3	293.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	959.59	kg/m3	294.14	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	959.19	kg/m3	294.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	958.79	kg/m3	295.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	958.39	kg/m3	295.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	957.99	kg/m3	296.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	957.60	kg/m3	296.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	957.20	kg/m3	297.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	956.80	kg/m3	297.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	956.40	kg/m3	298.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	956.00	kg/m3	298.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	955.60	kg/m3	299.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	955.20	kg/m3	299.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	954.80	kg/m3	300.14	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	954.40	kg/m3	300.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	954.00	kg/m3	301.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	953.59	kg/m3	301.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	953.20	kg/m3	302.14	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	952.79	kg/m3	302.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	952.39	kg/m3	303.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rho	951.99	kg/m ³	303.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	951.59	kg/m ³	304.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	951.18	kg/m ³	304.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	950.78	kg/m ³	305.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	950.38	kg/m ³	305.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	949.98	kg/m ³	306.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	949.57	kg/m ³	306.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	949.17	kg/m3	307.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	948.77	kg/m3	307.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	948.36	kg/m3	308.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	947.95	kg/m3	308.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	947.55	kg/m3	309.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	947.14	kg/m3	309.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	946.74	kg/m3	310.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rho	946.33	kg/m ³	310.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	945.92	kg/m ³	311.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	945.52	kg/m ³	311.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	945.11	kg/m ³	312.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	944.70	kg/m ³	312.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	944.30	kg/m ³	313.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	943.89	kg/m ³	313.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	943.48	kg/m3	314.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	943.07	kg/m3	314.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	942.66	kg/m3	315.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	942.25	kg/m3	315.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	941.84	kg/m3	316.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	941.43	kg/m3	316.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	941.03	kg/m3	317.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	940.61	kg/m3	317.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	940.20	kg/m3	318.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	939.79	kg/m3	318.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	939.38	kg/m3	319.14	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	938.96	kg/m3	319.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	938.55	kg/m3	320.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	938.14	kg/m3	320.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	937.72	kg/m3	321.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	937.31	kg/m3	321.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	936.90	kg/m3	322.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	936.49	kg/m3	322.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	936.08	kg/m3	323.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	935.66	kg/m3	323.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	935.25	kg/m3	324.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rho	934.83	kg/m ³	324.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	934.42	kg/m ³	325.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	934.01	kg/m ³	325.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	933.59	kg/m ³	326.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	933.18	kg/m ³	326.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	932.76	kg/m ³	327.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	932.35	kg/m ³	327.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	931.93	kg/m3	328.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	931.51	kg/m3	328.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	931.09	kg/m3	329.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	930.68	kg/m3	329.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	930.26	kg/m3	330.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	929.84	kg/m3	330.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	960.78	kg/m3	292.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	929.00	kg/m3	331.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	928.58	kg/m3	332.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	928.16	kg/m3	332.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	961.18	kg/m3	292.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	927.31	kg/m3	333.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	926.89	kg/m3	334.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	926.47	kg/m3	334.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	926.05	kg/m3	335.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	925.63	kg/m3	335.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	925.20	kg/m3	336.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	924.78	kg/m3	336.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	924.36	kg/m3	337.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	923.93	kg/m3	337.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	923.50	kg/m3	338.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	923.08	kg/m3	338.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	922.65	kg/m3	339.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	922.23	kg/m3	339.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	921.80	kg/m3	340.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	921.38	kg/m3	340.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	920.95	kg/m3	341.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	920.52	kg/m3	341.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	920.09	kg/m3	342.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	919.66	kg/m3	342.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	919.23	kg/m3	343.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	918.80	kg/m3	343.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	918.37	kg/m3	344.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	917.94	kg/m3	344.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	917.51	kg/m3	345.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rho	917.08	kg/m ³	345.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	916.65	kg/m ³	346.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	916.21	kg/m ³	346.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	915.78	kg/m ³	347.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	915.35	kg/m ³	347.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	914.92	kg/m ³	348.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	914.48	kg/m ³	348.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	914.05	kg/m3	349.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	913.61	kg/m3	349.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	913.18	kg/m3	350.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	912.74	kg/m3	350.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	912.30	kg/m3	351.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	911.87	kg/m3	351.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	911.43	kg/m3	352.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	910.99	kg/m3	352.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	910.55	kg/m3	353.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	910.12	kg/m3	353.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	909.68	kg/m3	354.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	909.23	kg/m3	354.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	908.80	kg/m3	355.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	908.35	kg/m3	355.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	907.91	kg/m3	356.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	907.47	kg/m3	356.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	907.03	kg/m3	357.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	906.59	kg/m3	357.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	906.14	kg/m3	358.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	905.70	kg/m3	358.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	905.26	kg/m3	359.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rho	904.81	kg/m ³	359.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	904.36	kg/m ³	360.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	903.92	kg/m ³	360.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	903.47	kg/m ³	361.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	903.03	kg/m ³	361.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	902.58	kg/m ³	362.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	902.13	kg/m ³	362.66	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rho	901.68	kg/m ³	363.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	901.69	kg/m ³	363.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho	960.81	kg/m ³	293.15	Volumetric and Viscometric Properties of Alcohol Amines + Ethanol Binary Mixtures
rho	952.25	kg/m ³	303.15	Volumetric and Viscometric Properties of Alcohol Amines + Ethanol Binary Mixtures
rho	944.43	kg/m ³	313.15	Volumetric and Viscometric Properties of Alcohol Amines + Ethanol Binary Mixtures
rho	936.21	kg/m ³	323.15	Volumetric and Viscometric Properties of Alcohol Amines + Ethanol Binary Mixtures
rho	964.54	kg/m ³	288.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K

rho1	960.60	kg/m3	293.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K
rho1	956.62	kg/m3	298.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K
rho1	952.61	kg/m3	303.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K
rho1	948.58	kg/m3	308.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K
rho1	944.51	kg/m3	313.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K

rhoI	940.42	kg/m ³	318.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K
rhoI	936.29	kg/m ³	323.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K
rhoI	932.13	kg/m ³	328.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K
rhoI	927.93	kg/m ³	333.15	Densities, Refractive Indices, Viscosities, and Spectroscopic Study of 1-Amino-2-propanol + 1-Butanol and + 2-Butanol Solutions at (288.15 to 333.15) K
rhoI	961.57	kg/m ³	291.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	962.36	kg/m ³	290.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	962.76	kg/m3	290.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	963.15	kg/m3	289.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	963.55	kg/m3	289.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	963.95	kg/m3	288.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	964.34	kg/m3	288.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	964.73	kg/m3	287.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	965.13	kg/m3	287.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rho1	965.52	kg/m3	286.64	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho1	965.92	kg/m3	286.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho1	966.31	kg/m3	285.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho1	966.70	kg/m3	285.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho1	967.10	kg/m3	284.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho1	967.49	kg/m3	284.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rho1	967.88	kg/m3	283.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	968.27	kg/m3	283.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	968.66	kg/m3	282.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	969.05	kg/m3	282.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	969.45	kg/m3	281.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	969.84	kg/m3	281.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	970.23	kg/m3	280.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	970.62	kg/m3	280.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K

rhoI	971.01	kg/m ³	279.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	971.40	kg/m ³	279.14	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	971.79	kg/m ³	278.65	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	961.97	kg/m ³	291.15	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	927.74	kg/m ³	333.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
rhoI	972.17	kg/m ³	278.16	Volumetric properties of the isopropanolamine water mixture at atmospheric pressure from 283.15 to 353.15K
srf	0.03	N/m	318.15	Surface Tension of aqueous binary mixtures of 1-amino-2-propanol and 3-amino-1-propanol, and aqueous ternary mixtures of these amines with diethanolamine, triethanolamine, and 2-amino-2-methyl-1-propanol from (298.15 to 323.15) K

srf	0.03	N/m	313.15	Surface Tension of aqueous binary mixtures of 1-amino-2-propanol and 3-amino-1-propanol, and aqueous ternary mixtures of these amines with diethanolamine, triethanolamine, and 2-amino-2-methyl-1-propanol from (298.15 to 323.15) K
srf	0.03	N/m	308.15	Surface Tension of aqueous binary mixtures of 1-amino-2-propanol and 3-amino-1-propanol, and aqueous ternary mixtures of these amines with diethanolamine, triethanolamine, and 2-amino-2-methyl-1-propanol from (298.15 to 323.15) K
srf	0.04	N/m	303.15	Surface Tension of aqueous binary mixtures of 1-amino-2-propanol and 3-amino-1-propanol, and aqueous ternary mixtures of these amines with diethanolamine, triethanolamine, and 2-amino-2-methyl-1-propanol from (298.15 to 323.15) K
srf	0.04	N/m	298.15	Surface Tension of aqueous binary mixtures of 1-amino-2-propanol and 3-amino-1-propanol, and aqueous ternary mixtures of these amines with diethanolamine, triethanolamine, and 2-amino-2-methyl-1-propanol from (298.15 to 323.15) K

srf	0.03	N/m	323.15	Surface Tension of aqueous binary mixtures of 1-amino-2-propanol and 3-amino-1-propanol, and aqueous ternary mixtures of these amines with diethanolamine, triethanolamine, and 2-amino-2-methyl-1-propanol from (298.15 to 323.15) K
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Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.77283e+01
Coeff. B	-5.39563e+03
Coeff. C	-2.16350e+01
Temperature range (K), min.	331.00
Temperature range (K), max.	456.17

Sources

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Volumetric Properties, Viscosities, and Refractive Indices for Aqueous Binary Systems (1) + water (2) at Temperatures from 298.15 to 333.15 K: (alkanolamine (1) + water (2)) Systems. <https://www.doi.org/10.1016/j.tca.2005.10.007>

Densities, Refractive Indices, Viscosities, and Spectroscopic Properties of Binary and Ternary Aqueous Alkanolamine Solutions from 288.15 to 333.15 K. <https://www.doi.org/10.1016/j.jct.2007.03.010>

Density, Speed of Sound, Refractive Index, and Viscosity of 1-Amino-2-Propanol (or Bis(2-hydroxypropyl)amine) + Triethanolamine + Water from T = (288.15 to 333.15) K. <https://www.doi.org/10.1016/j.jct.2012.02.009>

Density, Speed of Sound, Refractive Index, and Viscosity of 1-Amino-2-Propanol (or Bis(2-hydroxypropyl)amine) + Triethanolamine + Water from T = (288.15 to 333.15) K. <https://www.doi.org/10.1021/je401036f>

Density, Speed of Sound, Refractive Index, and Viscosity of 1-Amino-2-Propanol (or Bis(2-hydroxypropyl)amine) + Triethanolamine + Water from T = (288.15 to 333.15) K. <https://www.doi.org/10.1021/je0604232>

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<http://webbook.nist.gov/cgi/cbook.cgi?ID=C78966&Units=SI>

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

Legend

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

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