

# N,N-Dimethylaminoethanol

**Other names:** (2-Hydroxyethyl)dimethylamine  
(CH<sub>3</sub>)<sub>2</sub>NCH<sub>2</sub>CH<sub>2</sub>OH  
(Dimethylamino)ethanol  
(N,N-dimethylamino)ethanol  
.beta.-(dimethylamino)ethanol  
.beta.-dimethylaminoethyl alcohol  
.beta.-hydroxyethyldimethylamine  
2-(Dimethylamino)-1-ethanol  
2-(Dimethylamino)ethanol  
2-(N,N-Dimethylamino)ethanol  
2-(dimethylamino)ethyl alcohol  
2-dimethylaminoethanol  
67-48-1  
Amietol M 21  
Bimanol  
DMAE  
DMEA  
Dabco DMEA  
Deanol  
Dimethyl(2-hydroxyethyl)amine  
Dimethyl(hydroxyethyl)amine  
Dimethylaethanolamin  
Dimethylaminoethanol  
Dimethylethanolamine  
Dimethylmonoethanolamine  
Ethanol, 2-(dimethylamino)-  
Kalpur P  
Liparon  
N,N'-Dimethylethanolamine  
N,N-Dimethyl(2-hydroxyethyl)amine  
N,N-Dimethyl-2-aminoethanol  
N,N-Dimethyl-N-(2-hydroxyethyl)amine  
N,N-Dimethyl-N-(«beta»-hydroxyethyl)amine  
N,N-Dimethyl-N-(Â«betaÂ»-hydroxyethyl)amine  
N,N-Dimethyl-«beta»-hydroxyethylamine  
N,N-Dimethyl-Â«betaÂ»-hydroxyethylamine  
N,N-Dimethylethanolamine  
N,N-dimethyl-.beta.-hydroxyethylamine  
N,N-dimethyl-2-hydroxyethylamine  
N,N-dimethyl-N-(.beta.-hydroxyethyl)amine

N-(2-Hydroxyethyl)dimethylamine

N-(Dimethylamino)ethanol

NSC 2652

Norcholine

Propamine A

Tegoamin DMEA

Texacat DME

UN 2051

Varesal

ethanolamine, N,N-dimethyl-

«beta»-(Dimethylamino)ethanol

«beta»-(Dimethylamino)ethyl alcohol

«beta»-Hydroxyethyldimethylamine

Â«betaÂ»-(Dimethylamino)ethanol

Â«betaÂ»-(Dimethylamino)ethyl alcohol

Â«betaÂ»-Hydroxyethyldimethylamine

**Inchi:** InChI=1S/C4H11NO/c1-5(2)3-4-6/h6H,3-4H2,1-2H3

**InchiKey:** UEEJHVSXFDXPFK-UHFFFAOYSA-N

**Formula:** C4H11NO

**SMILES:** CN(C)CCO

**Mol. weight [g/mol]:** 89.14

**CAS:** 108-01-0

## Physical Properties

Property code	Value	Unit	Source
gf	-43.24	kJ/mol	Joback Method
hf	-210.59	kJ/mol	Joback Method
hfus	13.22	kJ/mol	Joback Method
hvap	46.50 ± 0.40	kJ/mol	NIST Webbook
hvap	47.60	kJ/mol	NIST Webbook
hvap	47.90	kJ/mol	NIST Webbook
ie	8.85 ± 0.04	eV	NIST Webbook
ie	8.82	eV	NIST Webbook
ie	8.80	eV	NIST Webbook
log10ws	0.67		Crippen Method
logp	-0.460		Crippen Method
mcpvol	83.070	ml/mol	McGowan Method
pc	4374.18	kPa	Joback Method
rinpol	710.00		NIST Webbook
rinpol	708.00		NIST Webbook

rinpol	706.00		NIST Webbook
rinpol	710.00		NIST Webbook
tb	407.20	K	NIST Webbook
tb	406.88 ± 0.20	K	NIST Webbook
tb	407.75	K	NIST Webbook
tc	556.43	K	Joback Method
tf	214.15	K	NIST Webbook
vc	0.296	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	160.61	J/molxK	395.54	Joback Method
cpg	168.88	J/molxK	422.35	Joback Method
cpg	176.81	J/molxK	449.17	Joback Method
cpg	184.42	J/molxK	475.98	Joback Method
cpg	191.72	J/molxK	502.80	Joback Method
cpg	198.71	J/molxK	529.61	Joback Method
cpg	205.42	J/molxK	556.43	Joback Method
cpl	223.00	J/molxK	343.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	215.00	J/molxK	308.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	217.00	J/molxK	313.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K
cpl	219.00	J/molxK	318.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K

cpl	221.00	J/mol×K	323.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K	
cpl	222.00	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	333.15	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	213.00	J/mol×K	303.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K	
cpl	224.00	J/mol×K	348.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K	
cpl	226.00	J/mol×K	353.15	Molar Heat Capacity of Various Aqueous Alkanolamine Solutions from 303.15 K to 353.15 K	
dvisc	0.0009630	Paxs	353.15	Density and viscosity of aqueous solutions of N,N-dimethylethanolamine at p = 0.1 MPa from T = (293.15 to 363.15) K	

dvisc	0.0017560	Paxs	323.15	Density and viscosity of aqueous solutions of N,N-dimethylethanolamine at p = 0.1 MPa from T = (293.15 to 363.15) K
dvisc	0.0014130	Paxs	333.15	Density and viscosity of aqueous solutions of N,N-dimethylethanolamine at p = 0.1 MPa from T = (293.15 to 363.15) K
dvisc	0.0011560	Paxs	343.15	Density and viscosity of aqueous solutions of N,N-dimethylethanolamine at p = 0.1 MPa from T = (293.15 to 363.15) K
dvisc	0.0022380	Paxs	313.15	Density and viscosity of aqueous solutions of N,N-dimethylethanolamine at p = 0.1 MPa from T = (293.15 to 363.15) K
hvapt	43.20	kJ/mol	368.50	NIST Webbook
hvapt	42.70	kJ/mol	365.50	NIST Webbook
pvap	5.71	kPa	333.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	0.29	kPa	282.97	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions

pvap	0.29	kPa	282.97	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	0.58	kPa	292.89	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	0.58	kPa	292.91	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	0.58	kPa	292.91	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	1.09	kPa	302.89	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions

pvap	1.10	kPa	302.89	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	1.96	kPa	312.86	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	1.96	kPa	312.86	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	3.39	kPa	323.03	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	5.63	kPa	333.06	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions

pvap	9.05	kPa	343.05	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	14.45	kPa	353.04	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	21.59	kPa	363.10	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	0.14	kPa	273.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	0.30	kPa	283.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions



pvap	0.59	kPa	293.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	1.11	kPa	303.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	1.99	kPa	313.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	3.44	kPa	323.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	0.15	kPa	273.86	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions

pvap	9.16	kPa	343.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	14.29	kPa	353.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	21.66	kPa	363.15	Measurement and correlation of the (vapor + liquid) equilibria of pure 4-ethylmorpholine, 1,2-dimethylisopropylamine and N,N-dimethylethanolamine, and their binary aqueous solutions
pvap	0.19	kPa	277.90	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.19	kPa	278.30	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.19	kPa	278.60	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.22	kPa	280.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.23	kPa	280.70	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines

pvap	0.24	kPa	281.80	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.28	kPa	283.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.28	kPa	284.30	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.34	kPa	286.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.32	kPa	286.50	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.42	kPa	289.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.40	kPa	289.40	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	250.10	kPa	440.40	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	0.50	kPa	292.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.48	kPa	292.40	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.55	kPa	294.10	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.58	kPa	295.00	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines

pvap	0.61	kPa	295.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.69	kPa	298.00	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.74	kPa	298.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.83	kPa	301.10	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	0.88	kPa	301.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	1.06	kPa	304.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	1.02	kPa	304.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	1.27	kPa	307.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	1.24	kPa	307.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	1.53	kPa	310.20	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	1.87	kPa	313.30	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	2.21	kPa	316.30	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines

pvap	1.44	kPa	309.50	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	2.94	kPa	320.80	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	4.94	kPa	330.40	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	7.44	kPa	338.50	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	9.94	kPa	344.70	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	19.90	kPa	360.90	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	29.90	kPa	371.20	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	49.90	kPa	385.30	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	75.00	kPa	397.60	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	100.00	kPa	406.80	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	120.00	kPa	413.10	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	150.00	kPa	420.90	Vapor Pressures of Several Commercially Used Alkanolamines

pvap	200.00	kPa	431.60	Vapor Pressures of Several Commercially Used Alkanolamines
pvap	0.43	kPa	290.60	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines
pvap	300.20	kPa	447.80	Vapor Pressures of Several Commercially Used Alkanolamines
rhoI	883.34	kg/m3	298.15	Study of intermolecular interactions in binary mixtures of 2-(dimethylamino)ethanol with methanol and ethanol at various temperatures
rhoI	874.99	kg/m3	308.15	Study of intermolecular interactions in binary mixtures of 2-(dimethylamino)ethanol with methanol and ethanol at various temperatures
rhoI	866.37	kg/m3	318.15	Study of intermolecular interactions in binary mixtures of 2-(dimethylamino)ethanol with methanol and ethanol at various temperatures
rhoI	883.83	kg/m3	298.15	Density and Viscosity of Partially Carbonated Aqueous Tertiary Alkanolamine Solutions at Temperatures between (298.15 and 353.15) K

rhoI	879.57	kg/m3	303.15	Density and Viscosity of Partially Carbonated Aqueous Tertiary Alkanolamine Solutions at Temperatures between (298.15 and 353.15) K
rhoI	870.95	kg/m3	313.15	Density and Viscosity of Partially Carbonated Aqueous Tertiary Alkanolamine Solutions at Temperatures between (298.15 and 353.15) K
rhoI	862.20	kg/m3	323.15	Density and Viscosity of Partially Carbonated Aqueous Tertiary Alkanolamine Solutions at Temperatures between (298.15 and 353.15) K
rhoI	853.29	kg/m3	333.15	Density and Viscosity of Partially Carbonated Aqueous Tertiary Alkanolamine Solutions at Temperatures between (298.15 and 353.15) K
rhoI	844.20	kg/m3	343.15	Density and Viscosity of Partially Carbonated Aqueous Tertiary Alkanolamine Solutions at Temperatures between (298.15 and 353.15) K
rhoI	834.93	kg/m3	353.15	Density and Viscosity of Partially Carbonated Aqueous Tertiary Alkanolamine Solutions at Temperatures between (298.15 and 353.15) K

rhoI	888.20	kg/m3	293.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
rhoI	884.00	kg/m3	298.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
rhoI	879.80	kg/m3	303.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
rhoI	875.50	kg/m3	308.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
rhoI	823.75	kg/m3	363.15	Volumetric Properties of Binary Mixtures of 3-(Methylamino)propylamine with Water, N-Methyldiethanolamine, N,N-Dimethylethanolamine, and N,N-Diethylethanolamine from (283.15 to 363.15) K
rhoI	866.80	kg/m3	318.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
rhoI	862.40	kg/m3	323.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
rhoI	858.00	kg/m3	328.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K



rhoI	853.50	kg/m3	333.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
rhoI	849.00	kg/m3	338.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
rhoI	844.40	kg/m3	343.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
rhoI	894.96	kg/m3	283.15	Volumetric Properties of Binary Mixtures of 3-(Methylamino)propylamine with Water, N-Methyldiethanolamine, N,N-Dimethylethanolamine, and N,N-Diethylethanolamine from (283.15 to 363.15) K
rhoI	886.56	kg/m3	293.15	Volumetric Properties of Binary Mixtures of 3-(Methylamino)propylamine with Water, N-Methyldiethanolamine, N,N-Dimethylethanolamine, and N,N-Diethylethanolamine from (283.15 to 363.15) K
rhoI	878.06	kg/m3	303.15	Volumetric Properties of Binary Mixtures of 3-(Methylamino)propylamine with Water, N-Methyldiethanolamine, N,N-Dimethylethanolamine, and N,N-Diethylethanolamine from (283.15 to 363.15) K

rhoI	869.43	kg/m3	313.15	Volumetric Properties of Binary Mixtures of 3-(Methylamino)propylamine with Water, N-Methyldiethanolamine, N,N-Dimethylethanolamine, and N,N-Diethylethanolamine from (283.15 to 363.15) K
rhoI	860.65	kg/m3	323.15	Volumetric Properties of Binary Mixtures of 3-(Methylamino)propylamine with Water, N-Methyldiethanolamine, N,N-Dimethylethanolamine, and N,N-Diethylethanolamine from (283.15 to 363.15) K
rhoI	851.72	kg/m3	333.15	Volumetric Properties of Binary Mixtures of 3-(Methylamino)propylamine with Water, N-Methyldiethanolamine, N,N-Dimethylethanolamine, and N,N-Diethylethanolamine from (283.15 to 363.15) K
rhoI	842.60	kg/m3	343.15	Volumetric Properties of Binary Mixtures of 3-(Methylamino)propylamine with Water, N-Methyldiethanolamine, N,N-Dimethylethanolamine, and N,N-Diethylethanolamine from (283.15 to 363.15) K
rhoI	833.29	kg/m3	353.15	Volumetric Properties of Binary Mixtures of 3-(Methylamino)propylamine with Water, N-Methyldiethanolamine, N,N-Dimethylethanolamine, and N,N-Diethylethanolamine from (283.15 to 363.15) K

rhoI	871.20	kg/m3	313.15	Densities of Aqueous 2-Dimethylaminoethanol Solutions at Temperatures of (293.15 to 343.15) K
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## Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.61267e+01
Coeff. B	-4.06085e+03
Coeff. C	-5.43380e+01
Temperature range (K), min.	310.72
Temperature range (K), max.	429.82

## Datasets

### Viscosity, Pa\*s

Temperature, K - Liquid	Pressure, kPa - Liquid	Viscosity, Pa*s - Liquid
298.15	100.00	0.0036900

Reference <https://www.doi.org/10.1021/acs.jced.5b00447>

### Molar volume, m3/mol

Temperature, K - Liquid	Pressure, kPa - Liquid	Molar volume, m3/mol - Liquid
298.15	100.00	0.0001
298.15	10000.00	0.0001
313.15	100.00	0.0001
313.15	10000.00	0.0001

328.15	100.00	0.0001
328.15	10000.00	0.0001
Reference		<a href="https://www.doi.org/10.1021/je800334m">https://www.doi.org/10.1021/je800334m</a>

## Sources

Vapor Pressures and Vaporization Enthalpies of a Series of Partially Ionized Organic Compounds: Equilibrium Solubility and the Thermodynamic Properties of Binary Mixtures of 323.15 K: <https://www.doi.org/10.1021/je049761y>

CO<sub>2</sub> absorption with aqueous tertiary amines: Equilibrium solubility and thermodynamic properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1021/acs.jced.5b00447>

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1016/j.jct.2018.03.020>

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1021/je400679k>

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1016/j.tca.2014.03.038>

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1016/j.jct.2007.03.010>

Equilibrium properties of binary mixtures of 323.15 K: [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)

Vapor Pressures of Several Commercially Used Alkanolamines: Density and Viscosity of Partially Carbonated Aqueous Solutions: The Yaws Handbook of Vapor Pressure at Temperatures between 298.15 and 553.15 K: <https://www.doi.org/10.1021/je101259r>

Measurement and correlation of the (vapor + liquid) equilibria of pure Methanol, Ethanol, and Propanol: <https://www.doi.org/10.1021/acs.jced.7b00144>

Aqueous Alkanolamine Solutions from 298.15 to 323.15 K: <https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>

Equilibrium properties of binary mixtures of 323.15 K: [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1016/j.jct.2013.03.020>

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1021/je0604232>

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1016/j.jct.2017.05.001>

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1021/acs.jced.6b00888>

Equilibrium properties of binary mixtures of 323.15 K: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Equilibrium properties of binary mixtures of 323.15 K: <http://link.springer.com/article/10.1007/BF02311772>

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1021/je800334m>

Equilibrium properties of binary mixtures of 323.15 K: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C108010&Units=SI>

Equilibrium properties of binary mixtures of 323.15 K: <https://www.doi.org/10.1016/j.jct.2004.11.016>

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## 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

<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<b>ie:</b>	Ionization energy
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>pvap:</b>	Vapor pressure
<b>rho:</b>	Liquid Density
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume
<b>volm:</b>	Molar Volume

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