

Tetraglyme

Other names:	2,5,8,11,14-Pentaoxapentadecane
	Ansul Ether 181AT
	Bis[2-(2-methoxyethoxy)ethyl] ether
	CH3O[CH2CH2O]4CH3
	Dimethoxytetraethylene glycol
	Dimethoxytetraglycol
	E 181 (ether)
	Ether, bis[2-(2-methoxyethoxy)ethyl]
	Glyme-5
	NSC 65624
	Nissan Unix MM 200
	Tetraethylene glycol dimethyl ether
	bis(2-(2-methoxyethoxy)ethyl) ether
	tetraethylene glycol, dimethyl ether
Inchi:	InChI=1S/C10H22O5/c1-11-3-5-13-7-9-15-10-8-14-6-4-12-2/h3-10H2,1-2H3
InchiKey:	ZUHZGEOKBKGPSW-UHFFFAOYSA-N
Formula:	C10H22O5
SMILES:	COCCOCCOCCOCCOC
Mol. weight [g/mol]:	222.28
CAS:	143-24-8

Physical Properties

Property code	Value	Unit	Source
affp	953.80	kJ/mol	NIST Webbook
basg	897.80	kJ/mol	NIST Webbook
gf	-491.68	kJ/mol	Joback Method
hf	-910.83	kJ/mol	Joback Method
hfus	27.60	kJ/mol	Joback Method
hvap	76.90 ± 2.60	kJ/mol	NIST Webbook
log10ws	0.56		Crippen Method
logp	0.329		Crippen Method
mcvol	181.110	ml/mol	McGowan Method
pc	1952.68	kPa	Joback Method
tb	548.15	K	NIST Webbook
tb	549.00	K	NIST Webbook
tc	702.78	K	Joback Method
tf	243.45	K	NIST Webbook

vc	0.685	m3/kmol	Joback Method
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Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	504.30	J/mol×K	648.62	Joback Method
cpg	491.28	J/mol×K	621.54	Joback Method
cpg	529.06	J/mol×K	702.78	Joback Method
cpg	516.90	J/mol×K	675.70	Joback Method
cpg	449.87	J/mol×K	540.30	Joback Method
cpg	464.04	J/mol×K	567.38	Joback Method
cpg	477.85	J/mol×K	594.46	Joback Method
cpl	457.10	J/mol×K	298.15	NIST Webbook
dvisc	0.0020040	Pa×s	323.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K
dvisc	0.0016900	Pa×s	333.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K
dvisc	0.0014200	Pa×s	343.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K
dvisc	0.0033800	Pa×s	298.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K

dvisc	0.0069800	Pa×s	273.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0059100	Pa×s	278.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0050600	Pa×s	283.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0043700	Pa×s	288.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0038400	Pa×s	293.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0034000	Pa×s	298.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0029900	Pa×s	303.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0024500	Pa×s	313.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0020200	Pa×s	323.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0017000	Pa×s	333.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0014500	Pa×s	343.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0012600	Pa×s	353.15	Density, viscosity and solubility of carbon dioxide in glymes
dvisc	0.0011000	Pa×s	363.15	Density, viscosity and solubility of carbon dioxide in glymes

dvisc	0.0024200	Pa×s	313.15	Densities, Viscosities, and Derived Functions of Binary Mixtures: (Tetraethylene Glycol Dimethyl Ether + Water) from 298.15 K to 343.15 K
hvapt	58.00	kJ/mol	486.00	NIST Webbook
rfi	1.43440		288.15	Liquid Densities and Refractive Indices of Binary Mixtures for the Dimethyl Ether of a Glycol + Ethanol from T=288.15 K to 318.15 K
rfi	1.42620		308.15	Liquid Densities and Refractive Indices of Binary Mixtures for the Dimethyl Ether of a Glycol + Ethanol from T=288.15 K to 318.15 K
rfi	1.42210		318.15	Liquid Densities and Refractive Indices of Binary Mixtures for the Dimethyl Ether of a Glycol + Ethanol from T=288.15 K to 318.15 K
rfi	1.43030		298.15	Liquid Densities and Refractive Indices of Binary Mixtures for the Dimethyl Ether of a Glycol + Ethanol from T=288.15 K to 318.15 K
rhoI	983.23	kg/m3	323.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes

rhoI	992.48	kg/m3	313.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhoI	987.86	kg/m3	318.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhoI	983.23	kg/m3	323.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhoI	1015.63	kg/m3	288.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhoI	1011.00	kg/m3	293.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhoI	1006.36	kg/m3	298.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME

rhoI	1001.73	kg/m3	303.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhoI	997.10	kg/m3	308.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhoI	992.48	kg/m3	313.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhoI	987.86	kg/m3	318.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhoI	983.23	kg/m3	323.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhoI	978.61	kg/m3	328.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME
rhoI	973.99	kg/m3	333.15	Volumetric Properties, Viscosities, and Refractive Indices of the Binary Systems 1-Butanol + PEG 200, + PEG 400, and + TEGDME

rhoI	1016.70	kg/m3	288.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhoI	1012.06	kg/m3	293.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhoI	1007.42	kg/m3	298.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination

rhoI	1002.79	kg/m3	303.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhoI	998.15	kg/m3	308.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhoI	993.52	kg/m3	313.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination

rhoI	988.89	kg/m3	318.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhoI	984.26	kg/m3	323.15	Volumetric and viscometric behavior of the binary systems ethyl lactate + 1,2- propanediol, + 1,3-propanediol, + tetrahydrofuran and + tetraethylene glycol dimethyl ether. New UNIFAC-VISCO and ASOG-VISCO parameters determination
rhoI	1015.63	kg/m3	288.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rhoI	1011.00	kg/m3	293.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rhoI	1006.36	kg/m3	298.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes

rho1	1001.73	kg/m3	303.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rho1	997.10	kg/m3	308.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rho1	992.48	kg/m3	313.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rho1	987.86	kg/m3	318.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rho1	1006.20	kg/m3	298.15	Liquid-Liquid Equilibrium of Ternary Mixtures Formed by Some Oligooxaethylenes with Ethanol and Hexadecane
rho1	978.61	kg/m3	328.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes
rho1	973.99	kg/m3	333.15	Volumetric and viscometric properties of binary liquid mixtures as potential solvents for flue gas desulfurization processes

rhoI	1017.00	kg/m3	288.15	Thermophysical properties of glycols and glymes
rhoI	1012.30	kg/m3	293.15	Thermophysical properties of glycols and glymes
rhoI	1007.60	kg/m3	298.15	Thermophysical properties of glycols and glymes
rhoI	1003.10	kg/m3	303.15	Thermophysical properties of glycols and glymes
rhoI	998.80	kg/m3	308.15	Thermophysical properties of glycols and glymes
rhoI	994.10	kg/m3	313.15	Thermophysical properties of glycols and glymes
rhoI	989.50	kg/m3	318.15	Thermophysical properties of glycols and glymes
rhoI	984.90	kg/m3	323.15	Thermophysical properties of glycols and glymes
rhoI	980.20	kg/m3	328.15	Thermophysical properties of glycols and glymes
rhoI	975.60	kg/m3	333.15	Thermophysical properties of glycols and glymes
rhoI	971.00	kg/m3	338.15	Thermophysical properties of glycols and glymes
rhoI	966.50	kg/m3	343.15	Thermophysical properties of glycols and glymes
rhoI	961.90	kg/m3	348.15	Thermophysical properties of glycols and glymes
rhoI	957.30	kg/m3	353.15	Thermophysical properties of glycols and glymes
rhoI	952.70	kg/m3	358.15	Thermophysical properties of glycols and glymes

rhoI	948.10	kg/m3	363.15	Thermophysical properties of glycols and glymes
rhoI	943.50	kg/m3	368.15	Thermophysical properties of glycols and glymes
rhoI	938.90	kg/m3	373.15	Thermophysical properties of glycols and glymes
rhoI	1020.70	kg/m3	283.15	Thermophysical properties of glycols and glymes
rhoI	1016.10	kg/m3	288.15	Thermophysical properties of glycols and glymes
rhoI	1011.50	kg/m3	293.15	Thermophysical properties of glycols and glymes
rhoI	1006.80	kg/m3	298.15	Thermophysical properties of glycols and glymes
rhoI	1002.20	kg/m3	303.15	Thermophysical properties of glycols and glymes
rhoI	997.60	kg/m3	308.15	Thermophysical properties of glycols and glymes
rhoI	993.00	kg/m3	313.15	Thermophysical properties of glycols and glymes
rhoI	983.70	kg/m3	323.15	Thermophysical properties of glycols and glymes
rhoI	997.10	kg/m3	308.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhoI	965.30	kg/m3	343.15	Thermophysical properties of glycols and glymes

rhoI	1020.30	kg/m3	283.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	1015.60	kg/m3	288.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	1011.00	kg/m3	293.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	1009.20	kg/m3	295.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	1006.40	kg/m3	298.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	1001.80	kg/m3	303.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	997.20	kg/m3	308.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility

rhoI	992.60	kg/m3	313.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	988.00	kg/m3	318.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	983.40	kg/m3	323.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	978.80	kg/m3	328.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	974.20	kg/m3	333.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	969.60	kg/m3	338.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	965.00	kg/m3	343.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility

rhoI	960.40	kg/m3	348.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	955.80	kg/m3	353.15	The Viscosity and Density of Ionic Liquid + Tetraglyme Mixtures and the Effect of Tetraglyme on CO2 Solubility
rhoI	1007.12	kg/m3	298.15	Thermodynamics of Mixtures Containing Ethers. Part III. Liquid-Liquid Equilibria for 2,5,8,11-Tetraoxadodecane or 2,5,8,11,14-Pentaoxapentadecane + Selected N-Alkanes
rhoI	1015.63	kg/m3	288.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhoI	1011.00	kg/m3	293.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhoI	1006.36	kg/m3	298.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone

rhoI	1001.73	kg/m3	303.15	Volumetric and Viscometric Behavior of Binary Systems 2-Butanol + PEG 200, + PEG 400, + Tetraethylene Glycol Dimethyl Ether, and + N-Methyl-2-pyrrolidone
rhoI	974.50	kg/m3	333.15	Thermophysical properties of glycols and glymes
srf	0.03	N/m	318.15	Volumetric and Surface Properties of Aqueous Mixtures of Polyethers at T = (298.15, 308.15, and 318.15) K
srf	0.03	N/m	298.15	Volumetric and Surface Properties of Aqueous Mixtures of Polyethers at T = (298.15, 308.15, and 318.15) K
srf	0.03	N/m	308.15	Volumetric and Surface Properties of Aqueous Mixtures of Polyethers at T = (298.15, 308.15, and 318.15) K
tcondI	0.13	W/m×K	392.16	Thermal Conductivity Measurement of Polyglycol Alkyl Ethers at Temperatures from (303.15 to 393.15) K
tcondI	0.13	W/m×K	362.39	Thermal Conductivity Measurement of Polyglycol Alkyl Ethers at Temperatures from (303.15 to 393.15) K
tcondI	0.14	W/m×K	332.54	Thermal Conductivity Measurement of Polyglycol Alkyl Ethers at Temperatures from (303.15 to 393.15) K

tcondl	0.15	W/m×K	302.75	Thermal Conductivity Measurement of Polyglycol Alkyl Ethers at Temperatures from (303.15 to 393.15) K
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Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.70035e+01
Coeff. B	-6.17570e+03
Coeff. C	-5.03140e+01
Temperature range (K), min.	419.76
Temperature range (K), max.	578.51

Datasets

Speed of sound, m/s

Temperature, K - Liquid	Pressure, kPa - Liquid	Speed of sound, m/s - Liquid
293.15	100.00	1400.2
293.15	10000.00	1439.3
293.15	20000.00	1477.3
293.15	30000.00	1512.3
293.15	40000.00	1546.2
293.15	50000.00	1578.2
293.15	60000.00	1609.1
293.15	70000.00	1638.4
293.15	80000.00	1666.8
293.15	90000.00	1694.2
293.15	100000.00	1720.6
303.15	100.00	1361.6
303.15	10000.00	1402.8

303.15	20000.00	1441.7
303.15	30000.00	1478.2
303.15	40000.00	1513.0
303.15	50000.00	1546.1
303.15	60000.00	1577.7
303.15	70000.00	1607.6
303.15	80000.00	1637.0
303.15	90000.00	1664.9
303.15	100000.00	1692.0
313.15	100.00	1324.5
313.15	10000.00	1367.0
313.15	20000.00	1407.3
313.15	30000.00	1444.9
313.15	40000.00	1480.9
313.15	50000.00	1514.8
313.15	60000.00	1547.2
313.15	70000.00	1578.1
313.15	80000.00	1607.8
313.15	90000.00	1636.4
313.15	100000.00	1663.9
323.15	100.00	1288.0
323.15	10000.00	1332.1
323.15	20000.00	1373.8
323.15	30000.00	1412.5
323.15	40000.00	1449.5
323.15	50000.00	1484.2
323.15	60000.00	1517.4
323.15	70000.00	1548.8
323.15	80000.00	1579.3
323.15	90000.00	1608.6
323.15	100000.00	1636.7
333.15	100.00	1252.0
333.15	10000.00	1297.9
333.15	20000.00	1340.7
333.15	30000.00	1380.8
333.15	40000.00	1418.3
333.15	50000.00	1454.2
333.15	60000.00	1488.4
333.15	70000.00	1520.7
333.15	80000.00	1551.9
333.15	90000.00	1581.5
333.15	100000.00	1610.2
343.15	100.00	1216.6
343.15	10000.00	1264.2

343.15	20000.00	1308.6
343.15	30000.00	1349.9
343.15	40000.00	1388.8
343.15	50000.00	1425.3
343.15	60000.00	1460.1
343.15	70000.00	1493.1
343.15	80000.00	1524.7
343.15	90000.00	1555.3
343.15	100000.00	1584.4
353.15	100.00	1181.6
353.15	10000.00	1231.2
353.15	20000.00	1276.9
353.15	30000.00	1319.8
353.15	40000.00	1359.8
353.15	50000.00	1397.1
353.15	60000.00	1432.8
353.15	70000.00	1466.5
353.15	80000.00	1498.9
353.15	90000.00	1529.8
353.15	100000.00	1559.5

Reference

<https://www.doi.org/10.1021/je034036t>

Mass density, kg/m3

Pressure, kPa - Liquid	Temperature, K - Liquid	Mass density, kg/m3 - Liquid
100.00	278.15	1025.1
100.00	283.15	1020.4
100.00	293.15	1011.1
100.00	303.15	1002.1
100.00	313.15	992.9
100.00	323.15	983.6
100.00	333.15	974.1
100.00	343.15	965.0
100.00	353.15	955.7
1000.00	278.15	1025.6
1000.00	283.15	1020.9
1000.00	293.15	1011.6
1000.00	303.15	1002.7
1000.00	313.15	993.5
1000.00	323.15	984.3

1000.00	333.15	974.8
1000.00	343.15	965.8
1000.00	353.15	956.5
2500.00	278.15	1026.5
2500.00	283.15	1021.8
2500.00	293.15	1012.6
2500.00	303.15	1003.7
2500.00	313.15	994.6
2500.00	323.15	985.3
2500.00	333.15	976.0
2500.00	343.15	967.0
2500.00	353.15	957.8
5000.00	278.15	1027.9
5000.00	283.15	1023.3
5000.00	293.15	1014.1
5000.00	303.15	1005.3
5000.00	313.15	996.3
5000.00	323.15	987.1
5000.00	333.15	977.9
5000.00	343.15	969.0
5000.00	353.15	959.9
7500.00	278.15	1029.3
7500.00	283.15	1024.7
7500.00	293.15	1015.6
7500.00	303.15	1006.9
7500.00	313.15	997.9
7500.00	323.15	988.9
7500.00	333.15	979.8
7500.00	343.15	971.0
7500.00	353.15	962.0
10000.00	278.15	1030.7
10000.00	283.15	1026.1
10000.00	293.15	1017.1
10000.00	303.15	1008.5
10000.00	313.15	999.6
10000.00	323.15	990.6
10000.00	333.15	981.6
10000.00	343.15	972.9
10000.00	353.15	964.0
15000.00	278.15	1033.4
15000.00	283.15	1028.9
15000.00	293.15	1020.0
15000.00	303.15	1011.5
15000.00	313.15	1002.8

15000.00	323.15	994.0
15000.00	333.15	985.1
15000.00	343.15	976.6
15000.00	353.15	967.9
20000.00	278.15	1036.1
20000.00	283.15	1031.6
20000.00	293.15	1022.9
20000.00	303.15	1014.5
20000.00	313.15	1006.0
20000.00	323.15	997.3
20000.00	333.15	988.5
20000.00	343.15	980.2
20000.00	353.15	971.7
25000.00	278.15	1038.7
25000.00	283.15	1034.3
25000.00	293.15	1025.6
25000.00	303.15	1017.4
25000.00	313.15	1009.0
25000.00	323.15	1000.5
25000.00	333.15	991.8
25000.00	343.15	983.7
25000.00	353.15	975.3

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Legend

affp:	Proton affinity
basg:	Gas basicity
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
speedsl:	Speed of sound in fluid
srf:	Surface Tension
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tcondl:	Liquid thermal conductivity
tf:	Normal melting (fusion) point
vc:	Critical Volume

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