

1,3-Dioxolan-2-one, 4-methyl-

Other names:	1,2-PDC
	1,2-Propanediol carbonate
	1,2-Propanediol cyclic carbonate
	1,2-Propylene glycol carbonate
	1,2-propanediyl carbonate
	1,2-propylene carbonate
	1-methylethylene carbonate
	4-Methyl-1,3-dioxol-2-one
	4-Methyldioxalone-2
	4-methyl-1,3-dioxolan-2-one
	4-methyl-2-oxo-1,3-dioxolane
	Arconate 5000
	Arconate propylene carbonate
	Carbonic acid cyclic methylethylene ester
	Carbonic acid, cyclic propylene ester
	Carbonic acid, propylene ester
	Dipropylene carbonate
	NSC 11784
	PC-HP
	Propylene glycol cyclic carbonate
	Propylenester kyseliny uhlicite
	Solvenon PC
	Texacar PC
	cyclic 1,2-propylene carbonate
	cyclic methylethylene carbonate
	cyclic propylene carbonate
	propylene carbonate
Inchi:	InChI=1S/C4H6O3/c1-3-2-6-4(5)7-3/h3H,2H2,1H3
InchiKey:	RUOJZAUFBMNUDX-UHFFFAOYSA-N
Formula:	C4H6O3
SMILES:	CC1COC(=O)O1
Mol. weight [g/mol]:	102.09
CAS:	108-32-7

Physical Properties

Property code	Value	Unit	Source
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chl	-1799.70 ± 2.10	kJ/mol	NIST Webbook
chl	-1818.00 ± 1.00	kJ/mol	NIST Webbook
cpl	166.98	J/mol×K	Volumes, Heat Capacities, and Compressibilities of the Mixtures of Acetonitrile with N,N-Dimethylacetamide and Propylene Carbonate
hf	-563.70	kJ/mol	NIST Webbook
hf	-582.50 ± 2.50	kJ/mol	NIST Webbook
hfl	-631.80 ± 2.10	kJ/mol	NIST Webbook
hfl	-613.00 ± 1.00	kJ/mol	NIST Webbook
hfus	15.52	kJ/mol	Joback Method
hvap	61.30 ± 0.10	kJ/mol	NIST Webbook
hvap	61.50 ± 0.30	kJ/mol	NIST Webbook
hvap	71.30	kJ/mol	NIST Webbook
hvap	71.20 ± 0.60	kJ/mol	NIST Webbook
hvap	30.70 ± 2.10	kJ/mol	NIST Webbook
hvap	49.30	kJ/mol	NIST Webbook
logp	0.542		Crippen Method
mcvol	69.670	ml/mol	McGowan Method
rinpol	932.00		NIST Webbook
rinpol	929.00		NIST Webbook
sl	219.17	J/mol×K	NIST Webbook
sl	218.60	J/mol×K	NIST Webbook
tb	515.05 ± 0.70	K	NIST Webbook
tb	513.20	K	NIST Webbook
tf	218.62 ± 0.06	K	NIST Webbook
tf	222.95 ± 0.30	K	NIST Webbook
tf	222.95 ± 1.00	K	NIST Webbook
tt	218.66 ± 0.02	K	NIST Webbook
tt	224.85 ± 0.02	K	NIST Webbook
tt	224.85 ± 0.02	K	NIST Webbook
tt	224.85 ± 0.02	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	195.81	J/mol×K	650.09	Joback Method
cpg	142.54	J/mol×K	427.92	Joback Method
cpg	152.33	J/mol×K	464.95	Joback Method
cpg	161.78	J/mol×K	501.98	Joback Method
cpg	170.87	J/mol×K	539.01	Joback Method

cpg	179.59	J/mol×K	576.04	Joback Method	
cpg	187.91	J/mol×K	613.07	Joback Method	
cpl	177.80	J/mol×K	313.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	175.70	J/mol×K	303.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure	
cpl	170.49	J/mol×K	303.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates	
cpl	172.53	J/mol×K	313.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates	
cpl	174.57	J/mol×K	323.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates	
cpl	176.61	J/mol×K	333.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates	
cpl	178.66	J/mol×K	343.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates	
cpl	180.70	J/mol×K	353.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates	

cpl	183.76	J/mol×K	363.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates
cpl	185.80	J/mol×K	373.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates
cpl	188.86	J/mol×K	383.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates
cpl	190.91	J/mol×K	393.15	Vapor Pressure and Liquid Heat Capacity of Alkylene Carbonates
cpl	174.10	J/mol×K	293.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	174.90	J/mol×K	298.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	199.90	J/mol×K	403.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure

cpl	176.70	J/mol×K	308.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	179.00	J/mol×K	318.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	180.00	J/mol×K	323.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	181.60	J/mol×K	328.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure

cpl	182.30	J/mol×K	333.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	183.30	J/mol×K	338.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	184.50	J/mol×K	343.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	184.10	J/mol×K	323.15	NIST Webbook
cpl	167.60	J/mol×K	298.15	NIST Webbook
cpl	167.40	J/mol×K	298.15	NIST Webbook
cpl	175.00	J/mol×K	298.00	NIST Webbook
cpl	177.45	J/mol×K	323.15	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(ethylene glycol-ran-propylene glycol) + Esters of Carbonic Acid at (293.15 and 313.15) K and at Atmospheric Pressure

cpl	175.87	J/mol×K	318.15	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(ethylene glycol-ran-propylene glycol) + Esters of Carbonic Acid at (293.15 and 313.15) K and at Atmospheric Pressure
cpl	174.14	J/mol×K	313.15	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(ethylene glycol-ran-propylene glycol) + Esters of Carbonic Acid at (293.15 and 313.15) K and at Atmospheric Pressure
cpl	172.22	J/mol×K	308.15	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(ethylene glycol-ran-propylene glycol) + Esters of Carbonic Acid at (293.15 and 313.15) K and at Atmospheric Pressure
cpl	170.79	J/mol×K	303.15	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(ethylene glycol-ran-propylene glycol) + Esters of Carbonic Acid at (293.15 and 313.15) K and at Atmospheric Pressure

cpl	198.20	J/mol×K	398.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	167.97	J/mol×K	293.15	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(ethylene glycol-ran-propylene glycol) + Esters of Carbonic Acid at (293.15 and 313.15) K and at Atmospheric Pressure
cpl	166.28	J/mol×K	288.15	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(ethylene glycol-ran-propylene glycol) + Esters of Carbonic Acid at (293.15 and 313.15) K and at Atmospheric Pressure
cpl	205.10	J/mol×K	423.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure

cpl	203.60	J/mol×K	418.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	202.30	J/mol×K	413.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	201.00	J/mol×K	408.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	185.10	J/mol×K	348.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure

cpl	169.48	J/mol×K	298.15	Densities, Viscosities, Refractive Indices, and Heat Capacities of Poly(ethylene glycol-ran-propylene glycol) + Esters of Carbonic Acid at (293.15 and 313.15) K and at Atmospheric Pressure
cpl	190.80	J/mol×K	368.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	195.60	J/mol×K	388.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	194.30	J/mol×K	383.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure

cpl	193.00	J/mol×K	378.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	192.70	J/mol×K	373.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	197.30	J/mol×K	393.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	189.50	J/mol×K	363.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure

cpl	187.40	J/mol×K	358.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
cpl	186.20	J/mol×K	353.15	Excess Molar Enthalpies, Molar Heat Capacities, Densities, Viscosities, and Refractive Indices of Dimethyl Sulfoxide + Esters of Carbonic Acid at 308.15 K and Atmospheric Pressure
dvisc	0.0020800	Pa×s	308.15	Volumetric and viscosimetric properties of N-methyl-2-pyrrolidone with .gamma.-butyrolactone and propylene carbonate
dvisc	0.0027620	Pa×s	293.15	Densities and Viscosities of Binary Mixtures of Paraldehyde + Propylene Carbonate at (288.15, 293.15, 298.15, 303.15, and 308.15) K
dvisc	0.0022710	Pa×s	303.15	Densities and Viscosities of Binary Mixtures of Paraldehyde + Propylene Carbonate at (288.15, 293.15, 298.15, 303.15, and 308.15) K
dvisc	0.0024990	Pa×s	298.15	Densities and Viscosities of Binary Mixtures of Paraldehyde + Propylene Carbonate at (288.15, 293.15, 298.15, 303.15, and 308.15) K

dvisc	0.0020730	Pa×s	308.15	Viscosity Behavior of Some Oxygen Containing Compounds
dvisc	0.0030860	Pa×s	288.15	Densities and Viscosities of Binary Mixtures of Paraldehyde + Propylene Carbonate at (288.15, 293.15, 298.15, 303.15, and 308.15) K
dvisc	0.0016200	Pa×s	323.15	Volumetric and viscosimetric properties of N-methyl-2-pyrrolidone with .gamma.-butyrolactone and propylene carbonate
dvisc	0.0019100	Pa×s	313.15	Volumetric and viscosimetric properties of N-methyl-2-pyrrolidone with .gamma.-butyrolactone and propylene carbonate
dvisc	0.0017500	Pa×s	318.15	Volumetric and viscosimetric properties of N-methyl-2-pyrrolidone with .gamma.-butyrolactone and propylene carbonate
dvisc	0.0022700	Pa×s	303.15	Volumetric and viscosimetric properties of N-methyl-2-pyrrolidone with .gamma.-butyrolactone and propylene carbonate
dvisc	0.0025200	Pa×s	298.15	Volumetric and viscosimetric properties of N-methyl-2-pyrrolidone with .gamma.-butyrolactone and propylene carbonate
dvisc	0.0025000	Pa×s	298.15	Viscosity Behavior of Some Oxygen Containing Compounds

dvisc	0.0020730	Pa×s	308.15	Densities and Viscosities of Binary Mixtures of Paraldehyde + Propylene Carbonate at (288.15, 293.15, 298.15, 303.15, and 308.15) K
dvisc	0.0030860	Pa×s	288.15	Viscosity Behavior of Some Oxygen Containing Compounds
hfust	9.62	kJ/mol	224.85	NIST Webbook
hfust	9.62	kJ/mol	224.85	NIST Webbook
hfust	9.62	kJ/mol	218.20	NIST Webbook
hfust	9.62	kJ/mol	224.85	NIST Webbook
hfust	8.96	kJ/mol	220.30	NIST Webbook
hfust	8.01	kJ/mol	156.50	NIST Webbook
hfust	9.62	kJ/mol	218.20	NIST Webbook
hvapt	55.20	kJ/mol	323.00	NIST Webbook
hvapt	55.23	kJ/mol	423.00	NIST Webbook
hvapt	55.20	kJ/mol	415.00	NIST Webbook
hvapt	54.40	kJ/mol	439.00	NIST Webbook
hvapt	33.80	kJ/mol	346.50	NIST Webbook
hvapt	53.00	kJ/mol	415.00	NIST Webbook
hvapt	57.80	kJ/mol	415.00	NIST Webbook
pvap	0.07	kPa	327.80	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	7.78e-03	kPa	298.10	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.41	kPa	357.59	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.41	kPa	357.59	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.41	kPa	357.59	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.41	kPa	357.60	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.53	kPa	362.51	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.53	kPa	362.53	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.53	kPa	362.53	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.53	kPa	362.53	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.25	kPa	348.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	0.33	kPa	353.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	0.44	kPa	358.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	0.56	kPa	363.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	0.72	kPa	368.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	0.92	kPa	373.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	1.17	kPa	378.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide

pvap	1.86	kPa	388.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	2.28	kPa	393.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	2.83	kPa	398.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	3.48	kPa	403.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	4.26	kPa	408.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	5.15	kPa	413.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	6.23	kPa	418.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	7.45	kPa	423.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	8.96	kPa	428.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	10.78	kPa	433.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	12.69	kPa	438.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	14.81	kPa	443.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	17.81	kPa	448.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	20.50	kPa	453.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	24.08	kPa	458.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide

pvap	27.96	kPa	463.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	33.01	kPa	468.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	37.77	kPa	473.15	Vapor Pressures of Propylene Carbonate and N,N-Dimethylacetamide
pvap	4.00	kPa	407.97	Phase Equilibrium and Physical Properties for the Purification of Propylene Carbonate (PC) and γ -Butyrolactone (GBL)
pvap	10.00	kPa	432.45	Phase Equilibrium and Physical Properties for the Purification of Propylene Carbonate (PC) and γ -Butyrolactone (GBL)
pvap	12.00	kPa	437.77	Phase Equilibrium and Physical Properties for the Purification of Propylene Carbonate (PC) and γ -Butyrolactone (GBL)
pvap	20.00	kPa	453.60	Phase Equilibrium and Physical Properties for the Purification of Propylene Carbonate (PC) and γ -Butyrolactone (GBL)
pvap	30.00	kPa	467.23	Phase Equilibrium and Physical Properties for the Purification of Propylene Carbonate (PC) and γ -Butyrolactone (GBL)

pvap	40.00	kPa	477.53	Phase Equilibrium and Physical Properties for the Purification of Propylene Carbonate (PC) and γ -Butyrolactone (GBL)
pvap	50.00	kPa	485.91	Phase Equilibrium and Physical Properties for the Purification of Propylene Carbonate (PC) and γ -Butyrolactone (GBL)
pvap	0.31	kPa	352.58	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.31	kPa	352.55	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.24	kPa	347.70	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.24	kPa	347.70	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.24	kPa	347.69	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.24	kPa	347.69	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.18	kPa	342.84	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.18	kPa	342.84	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.18	kPa	342.83	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.18	kPa	342.82	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.13	kPa	337.85	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.13	kPa	337.84	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.13	kPa	337.84	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.13	kPa	337.83	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.10	kPa	332.92	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.10	kPa	332.91	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.10	kPa	332.89	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.10	kPa	332.89	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.07	kPa	327.81	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.07	kPa	327.81	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.07	kPa	327.81	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	8.50e-03	kPa	298.40	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.05	kPa	322.92	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.05	kPa	322.92	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.05	kPa	322.92	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.05	kPa	322.90	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.04	kPa	317.92	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.04	kPa	317.92	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.04	kPa	317.92	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.04	kPa	317.91	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.02	kPa	312.99	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.02	kPa	312.98	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.02	kPa	312.97	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.02	kPa	312.97	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.02	kPa	307.95	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.02	kPa	307.95	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.02	kPa	307.94	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.02	kPa	307.94	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.01	kPa	303.03	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.01	kPa	303.01	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	0.01	kPa	303.01	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	7.77e-03	kPa	298.12	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	7.78e-03	kPa	298.11	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.31	kPa	352.59	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	7.78e-03	kPa	298.10	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	5.11e-03	kPa	293.15	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	5.14e-03	kPa	293.15	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	5.12e-03	kPa	293.14	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	5.11e-03	kPa	293.12	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	3.32e-03	kPa	288.22	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	3.33e-03	kPa	288.20	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	3.32e-03	kPa	288.19	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	3.32e-03	kPa	288.19	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	2.14e-03	kPa	283.32	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	2.14e-03	kPa	283.32	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	2.14e-03	kPa	283.31	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	0.01	kPa	303.30	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.02	kPa	308.20	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.02	kPa	311.30	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.03	kPa	313.20	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.04	kPa	318.20	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.05	kPa	321.20	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.05	kPa	322.70	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.06	kPa	324.20	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.07	kPa	326.60	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.08	kPa	329.60	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates

pvap	0.10	kPa	332.70	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.13	kPa	335.70	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.14	kPa	337.70	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.15	kPa	338.80	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.17	kPa	340.80	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.18	kPa	341.80	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.22	kPa	344.90	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates
pvap	0.06	kPa	327.12	Low pressure methane solubility in lithium-ion batteries based solvents and electrolytes as a function of temperature. Measurement and prediction
pvap	0.08	kPa	331.22	Low pressure methane solubility in lithium-ion batteries based solvents and electrolytes as a function of temperature. Measurement and prediction

pvap	0.12	kPa	338.15	Low pressure methane solubility in lithium-ion batteries based solvents and electrolytes as a function of temperature. Measurement and prediction
pvap	0.18	kPa	343.15	Low pressure methane solubility in lithium-ion batteries based solvents and electrolytes as a function of temperature. Measurement and prediction
pvap	0.22	kPa	348.15	Low pressure methane solubility in lithium-ion batteries based solvents and electrolytes as a function of temperature. Measurement and prediction
pvap	0.29	kPa	353.15	Low pressure methane solubility in lithium-ion batteries based solvents and electrolytes as a function of temperature. Measurement and prediction
pvap	1.32e-03	kPa	278.19	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone

pvap	1.33e-03	kPa	278.37	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	1.33e-03	kPa	278.37	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	1.33e-03	kPa	278.39	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
pvap	2.14e-03	kPa	283.31	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, -Valerolactone, and -Butyrolactone
rfi	1.42095		293.15	The volumetric properties of (1,2-propanediol carbonate + benzene, or toluene, or styrene) binary mixtures at temperatures from T = 293.15 K to T = 353.15 K

rfi	1.42030		298.15	Viscosities, Ultrasonic Velocities at (288.15 and 298.15) K, and Refractive Indices at (298.15) K of Binary Mixtures of 2,4,6-Trimethyl-1,3,5-trioxane with Dimethyl Carbonate, Diethyl Carbonate, and Propylene Carbonate
rfi	1.41900		298.15	Liquid-liquid equilibrium study for the system (water + phosphoric acid + propylene carbonate) at different temperatures
rhoI	1183.11	kg/m3	313.15	Density, electrical conductivity, viscosity and excess properties of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide + propylene carbonate binary mixtures
rhoI	1194.50	kg/m3	303.15	Density, conductivity, viscosity, and excess properties of (pyrrolidinium nitrate-based Protic Ionic Liquid + propylene carbonate) binary mixture
rhoI	1199.02	kg/m3	298.15	Density, electrical conductivity, viscosity and excess properties of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide + propylene carbonate binary mixtures

rhoI	1151.92	kg/m3	343.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids	
rhoI	1141.33	kg/m3	353.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids	
rhoI	1130.73	kg/m3	363.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids	
rhoI	1204.00	kg/m3	298.15	Isobaric Vapor-liquid Equilibrium for Three Binary Systems of Ethyl Acetate + Propyl Acetate, Ethyl Acetate + Propylene Carbonate, and Propyl Acetate + Propylene Carbonate at 101.3 kPa	
rhoI	1188.89	kg/m3	308.15	Excess Properties of Binary Mixtures of Esters of Carbonic Acid + Three Aryl Alcohols at 308.15 K	
rhoI	1183.67	kg/m3	313.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids	
rhoI	1194.27	kg/m3	303.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids	

rhoI	1199.58	kg/m3	298.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids	
rhoI	1200.25	kg/m3	293.15	Excess volumes and partial molar volumes of binary mixtures of 1,2-propanediol carbonate with xylene in the temperature range of (293.15 to 353.15) K	
rhoI	1215.55	kg/m3	283.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids	
rhoI	1220.90	kg/m3	278.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids	
rhoI	1226.25	kg/m3	273.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids	
rhoI	1197.60	kg/m3	298.15	Isobaric Vapor Liquid Equilibria for Binary Systems of Diethyl Carbonate + Propylene Carbonate, Diethyl Carbonate + Propylene Glycol, and Ethanol + Propylene Carbonate at 101.3 kPa	

rhoI	1199.49	kg/m3	298.15	Ionic molar volumes in methanol mixtures with acetonitrile, N,N-dimethylformamide and propylene carbonate at T = 298.15 K
rhoI	1171.96	kg/m3	323.15	Density, electrical conductivity, viscosity and excess properties of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide + propylene carbonate binary mixtures
rhoI	1177.55	kg/m3	318.15	Density, electrical conductivity, viscosity and excess properties of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide + propylene carbonate binary mixtures
rhoI	1204.89	kg/m3	293.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids
rhoI	1173.08	kg/m3	323.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids
rhoI	1194.00	kg/m3	303.15	Density, electrical conductivity, viscosity and excess properties of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide + propylene carbonate binary mixtures
rhoI	1162.50	kg/m3	333.15	Self-Diffusion Coefficients and Related Transport Properties for a Number of Fragile Ionic Liquids

rhoI	1204.81	kg/m3	293.15	Density, electrical conductivity, viscosity and excess properties of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide + propylene carbonate binary mixtures
rhoI	1141.60	kg/m3	353.15	Density, conductivity, viscosity, and excess properties of (pyrrolidinium nitrate-based Protic Ionic Liquid + propylene carbonate) binary mixture
rhoI	1152.30	kg/m3	343.15	Density, conductivity, viscosity, and excess properties of (pyrrolidinium nitrate-based Protic Ionic Liquid + propylene carbonate) binary mixture
rhoI	1180.55	kg/m3	303.15	Excess volumes and partial molar volumes of binary mixtures of 1,2-propanediol carbonate with xylene in the temperature range of (293.15 to 353.15) K
rhoI	1180.56	kg/m3	303.15	Excess volumes and partial molar volumes of binary mixtures of 1,2-propanediol carbonate with xylene in the temperature range of (293.15 to 353.15) K
rhoI	1162.90	kg/m3	333.15	Density, conductivity, viscosity, and excess properties of (pyrrolidinium nitrate-based Protic Ionic Liquid + propylene carbonate) binary mixture

rhoI	1173.40	kg/m3	323.15	Density, conductivity, viscosity, and excess properties of (pyrrolidinium nitrate-based Protic Ionic Liquid + propylene carbonate) binary mixture
rhoI	1183.90	kg/m3	313.15	Density, conductivity, viscosity, and excess properties of (pyrrolidinium nitrate-based Protic Ionic Liquid + propylene carbonate) binary mixture
rhoI	1188.57	kg/m3	308.15	Density, electrical conductivity, viscosity and excess properties of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide + propylene carbonate binary mixtures
rhoI	1205.20	kg/m3	293.15	Density, conductivity, viscosity, and excess properties of (pyrrolidinium nitrate-based Protic Ionic Liquid + propylene carbonate) binary mixture
rhoI	1216.30	kg/m3	283.15	Density, conductivity, viscosity, and excess properties of (pyrrolidinium nitrate-based Protic Ionic Liquid + propylene carbonate) binary mixture
rhoI	1088.38	kg/m3	353.15	Excess volumes and partial molar volumes of binary mixtures of 1,2-propanediol carbonate with xylene in the temperature range of (293.15 to 353.15) K

rhoI	1105.98	kg/m3	343.15	Excess volumes and partial molar volumes of binary mixtures of 1,2-propanediol carbonate with xylene in the temperature range of (293.15 to 353.15) K
rhoI	1123.99	kg/m3	333.15	Excess volumes and partial molar volumes of binary mixtures of 1,2-propanediol carbonate with xylene in the temperature range of (293.15 to 353.15) K
rhoI	1142.43	kg/m3	323.15	Excess volumes and partial molar volumes of binary mixtures of 1,2-propanediol carbonate with xylene in the temperature range of (293.15 to 353.15) K
rhoI	1161.28	kg/m3	313.15	Excess volumes and partial molar volumes of binary mixtures of 1,2-propanediol carbonate with xylene in the temperature range of (293.15 to 353.15) K
sfust	42.80	J/mol×K	224.85	NIST Webbook
sfust	42.80	J/mol×K	224.85	NIST Webbook
speedsl	1443.40	m/s	298.15	Volumetric and compressibility properties of liquid water as a solute in glycolic, propylene carbonate, and tetramethylurea solutions at T = 298.15 K

Correlations

Information

Value

McGowan Method:

<http://link.springer.com/article/10.1007/BF02311772>

Electrical Conductivity of Solutions of Ionic Liquids with Methanol, Ethanol, Acetonitrile, and Propylene Carbonate! Determination of the conductivity, properties and excess properties of Water + 2-methyl-2-propanol dipolar solvents, 2-Ethoxy-2-Hydroxypropane and 2-Ethoxy-2-methylpropane mixtures: properties of liquid methane as a solute in acetonitrile, methylene carbonate and tetrahydrofuran solutions at T = 298.15 K; Joback Method:

<https://www.doi.org/10.1021/je200616t>
<https://www.doi.org/10.1016/j.jct.2008.05.001>
<https://www.doi.org/10.1016/j.jct.2013.08.034>
<https://www.doi.org/10.1016/j.tca.2010.09.013>
<https://www.doi.org/10.1016/j.jct.2007.05.010>
https://www.chemeo.com/doc/models/crippen_log10ws
https://en.wikipedia.org/wiki/Joback_method

Liquid Liquid Equilibria for the Ternary Systems of 4-Methyl-1,3-dioxolan-2-one + Carbon Dioxide + Binary Mixtures of Ionic Liquids with Acetone and Solvent Determination and Correlation of Solubilities of Acetonitrile + Morpholine + Solubilities of Ethyl decanoate at 313.15 K; Diethyl carbonate in Solvent Mixtures of Solvent with Carbon Dioxide; Carbonates: Thermodynamic of LiF dissolution in alkylcarbonates and some of their Excess volumes and partial molar volumes of binary mixtures of 2-Ethoxy-2-methylpropane with Heptane, Carbon Dioxide, and Propylene Carbonate; Properties of Binary Mixtures of Solvent with Carbon Dioxide; Volatile Organic Solvents and Carbon Dioxide; Carbon Dioxide + Ethyl Butyrate and Carbon Dioxide + Ethyl Hexanoate; Properties of Propylene Carbonate from Propylene Carbonate and Carbon Dioxide; Carbon Dioxide + Phosphoric acid + Propylene Carbonate; Carbon Dioxide and Carbon Dioxide in Propylene Carbonate; Liquid Equilibria for the Systems: Heptane + Benzene + Solvent; Propylene Carbonate; Tetraethylammonium Tetrafluoroborate; Propylene Carbonate; Carbon Dioxide; Properties of Binary Mixtures of Solvent with Carbon Dioxide; Properties of Ethylene Carbonate, Propylene Carbonate, and Tetrahydrofuran at 298.15 and 313.15 K; and Refractive Indices of 2-Ethoxy-2-Hydroxypropane and 2-Ethoxy-2-methylpropane; Properties of Propylene Carbonate, 2-Ethoxy-2-methylpropane, and Tetrahydrofuran; Transport Properties for a Number of Binary and Ternary Mixtures; and Compressibilities of the Mixtures of Carbon Dioxide and Propylene Carbonate and N,N-Dimethylpropylamine; Capillary properties of (1,2-propanediol carbonate + benzene, 1,2-propanediol carbonate + propylene carbonate) binary mixtures; and relative structure properties relationships to study the solvation of organic vapors; Enthalpy of vaporization of cyclic alkylene carbonates; Enthalpies of 1,4-Dioxane: Study of Solvent Effects Through the Yaws Handbook of Property Relationships: Low pressure methane solubility in lithium-ion batteries based solvents and electrolytes as a function of temperature. Measurement and Prediction of Vapor Liquid Equilibria for Binary Systems of Diethyl Carbonate + Modeling of Liquid-Liquid Interfacial Properties of Propylene Carbonate and Methanol + Propylene Carbonate at 101.3 kPa:

<https://www.doi.org/10.1021/je401056v>
<https://www.doi.org/10.1021/je800468h>
<https://www.doi.org/10.1021/je500068b>
<https://www.doi.org/10.1021/je700689w>
<https://www.doi.org/10.1016/j.fluid.2009.07.020>
<https://www.doi.org/10.1016/j.jct.2005.01.017>
<https://www.doi.org/10.1021/je050444g>
<https://www.doi.org/10.1021/je034204h>
<https://www.doi.org/10.1021/je4007713>
<https://www.doi.org/10.1021/je101086r>
<https://www.doi.org/10.1021/je0496903>
<https://www.doi.org/10.1016/j.jct.2016.09.008>
<https://www.doi.org/10.1021/acs.jced.5b00669>
<https://www.doi.org/10.1021/je500442m>
<https://www.doi.org/10.1021/je200309v>
<https://www.doi.org/10.1016/j.tca.2014.08.024>
<https://www.doi.org/10.1021/je1002708>
<https://www.doi.org/10.1021/acs.jced.7b00646>
<https://www.doi.org/10.1016/j.jct.2015.08.013>
<https://www.doi.org/10.1021/acs.jced.7b00578>
<https://www.doi.org/10.1021/je050183a>
<https://www.doi.org/10.1016/j.jct.2018.05.007>
<https://www.doi.org/10.1021/acs.jced.6b00021>
<https://www.doi.org/10.1021/je1005483>
<https://www.doi.org/10.1021/je049950g>
<https://www.doi.org/10.1016/j.jct.2005.03.019>
<https://www.doi.org/10.1016/j.tca.2015.02.005>
<https://www.doi.org/10.1016/j.fluid.2008.03.013>
<https://www.doi.org/10.1016/j.tca.2013.10.002>
<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>
<https://www.doi.org/10.1016/j.jct.2014.07.004>
<https://www.doi.org/10.1021/acs.jced.5b00064>
<https://www.doi.org/10.1021/je500113q>

Legend

chl:	Standard liquid enthalpy of combustion
cpg:	Ideal gas heat capacity
cpl:	Liquid phase heat capacity
dvisc:	Dynamic viscosity
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
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pvap:	Vapor pressure
rfi:	Refractive Index
rho:	Liquid Density
rinpol:	Non-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
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature

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