Ethane, 1,2-dichloro-

Other names:

1,2-Bichloroethane
1,2-DCE
1,2-Dichloorethaan
1,2-Dichlor-aethan
1,2-Dichlorethane
1,2-Dichloroethane
1,2-Dicloroetano
1,2-Ethylene dichloride
1,2-dichloroethane (ethylene dichloride)
ALPHA,BETA-DICHLOROETHANE
Aethylenchlorid
Bichlorure D'ethylene
Borer sol
Brocide
CH2ClCH2Cl
Chlorure D'ethylene
Cloruro di ethene
DCE
Destruxol borer-sol
Di-chlor-mulsion
Dichloremulsion
Dichloro-1,2-ethane
Dutch liquid
Dutch oil
EDC
EDC (halocarbon)
ENT 1,656
ETHYLENE DICHLORIDE
Ethane dichloride
Ethyleendichloride
Ethylene chloride
Freon 150
Glycol dichloride
HCC 150
NCI-C00511
R-150
Rcra waste number U077
UN 1184
s-Dichloroethane
sym-Dichloroethane

	«alpha»,«beta»-Dichloroethane
	Â«alphaÂ»,Â«betaÂ»-Dichloroethane
Inchi:	InChI=1S/C2H4Cl2/c3-1-2-4/h1-2H2
InchiKey:	WSLDOOZREJYCGB-UHFFFAOYSA-N
Formula:	C2H4Cl2
SMILES:	ClCCCl
Mol. weight [g/mol]:	98.96
CAS:	107-06-2

Physical Properties

Property code	Value	Unit	Source
af	0.2780		KDB
chl	-1236.40	kJ/mol	NIST Webbook
chl	-1246.40 ± 8.40	kJ/mol	NIST Webbook
dm	1.80	debye	KDB
dvisc	0.0008270	Pa×s	Studies on Transport and Thermodynamic Properties of Binary Mixtures of Hexan-1-ol with Halogenated Compounds at 293.15 K
gf	-73.90	kJ/mol	KDB
gyrad	2.8510		KDB
hf	-129.80	kJ/mol	KDB
hf	-129.00	kJ/mol	NIST Webbook
hf	-125.40 ± 1.00	kJ/mol	NIST Webbook
hf	-132.00 ± 3.50	kJ/mol	NIST Webbook
hfl	-167.20 ± 3.50	kJ/mol	NIST Webbook
hfl	-169.70	kJ/mol	NIST Webbook
hfus	9.33	kJ/mol	Joback Method
hvap	35.40 ± 0.08	kJ/mol	NIST Webbook
hvap	35.21 ± 0.05	kJ/mol	NIST Webbook
hvap	34.40	kJ/mol	NIST Webbook
hvap	35.10 ± 0.10	kJ/mol	NIST Webbook
hvap	35.20 ± 0.10	kJ/mol	NIST Webbook
hvap	35.15 ± 0.01	kJ/mol	NIST Webbook
hvap	35.20 ± 0.40	kJ/mol	NIST Webbook
hvap	35.22	kJ/mol	NIST Webbook
ie	11.05	eV	NIST Webbook
ie	11.12 ± 0.05	eV	NIST Webbook
ie	11.40 ± 0.10	eV	NIST Webbook
ie	11.22 ± 0.02	eV	NIST Webbook

ie	11.39 ± 0.03	eV	NIST Webbook
ie	11.07 ± 0.04	eV	NIST Webbook
ie	11.04	eV	NIST Webbook
log10ws	-1.07		Aqueous Solubility Prediction Method
log10ws	-1.06		Estimated Solubility Method
logp	1.464		Crippen Method
mcvol	63.520	ml/mol	McGowan Method
pc	5380.00 ± 50.00	kPa	NIST Webbook
pc	5400.00	kPa	KDB
rhoc	440.37 ± 14.84	kg/m3	NIST Webbook
rinpol	644.80		NIST Webbook
rinpol	649.00		NIST Webbook
rinpol	645.40		NIST Webbook
rinpol	648.20		NIST Webbook
rinpol	656.20		NIST Webbook
rinpol	654.00		NIST Webbook
rinpol	650.10		NIST Webbook
rinpol	647.70		NIST Webbook
rinpol	635.50		NIST Webbook
rinpol	632.00		NIST Webbook
rinpol	630.00		NIST Webbook
rinpol	632.00		NIST Webbook
rinpol	638.00		NIST Webbook
rinpol	641.00		NIST Webbook
rinpol	633.00		NIST Webbook
rinpol	645.00		NIST Webbook
rinpol	640.00		NIST Webbook
rinpol	629.00		NIST Webbook
rinpol	641.00		NIST Webbook
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rinpol	628.60		NIST Webbook
rinpol	606.00		NIST Webbook
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rinpol	610.00		NIST Webbook
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rinpol	586.00		NIST Webbook
rinpol	595.00		NIST Webbook
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rinpol	630.00		NIST Webbook
rinpol	631.00		NIST Webbook
rinpol	649.00		NIST Webbook
rinpol	632.00		NIST Webbook
rinpol	631.00		NIST Webbook
rinpol	623.00		NIST Webbook
rinpol	649.30		NIST Webbook
rinpol	635.50		NIST Webbook
rinpol	620.00		NIST Webbook
rinpol	628.60		NIST Webbook
rinpol	606.00		NIST Webbook
rinpol	595.00		NIST Webbook
rinpol	627.00		NIST Webbook
ripol	1088.00		NIST Webbook
ripol	1051.00		NIST Webbook
ripol	1090.00		NIST Webbook
ripol	1080.00		NIST Webbook
ripol	1045.00		NIST Webbook
ripol	1045.00		NIST Webbook
ripol	1084.20		NIST Webbook
ripol	1065.00		NIST Webbook
ripol	1045.00		NIST Webbook
ripol	1065.00		NIST Webbook
ripol	1084.96		NIST Webbook
ripol	1077.64		NIST Webbook
ripol	1076.00		NIST Webbook
ripol	1072.00		NIST Webbook
ripol	1093.00		NIST Webbook
ripol	1088.00		NIST Webbook
ripol	1088.00		NIST Webbook
ripol	1085.00		NIST Webbook
sl	208.53	J/mol×K	NIST Webbook
tb	356.95	K	Excess molar enthalpies of dimethylsulfoxide with chloroethanes and chloroethenes at 298.15K

tb	356.59	K	Isobaric Vapor-Liquid Equilibrium for the Binary Systems of 1,2-Dichloroethane + sec-Butyl Acetate, n-Propyl Acetate, and tert-Butyl Acetate at 101.3 kPa
tb	356.95	K	Isobaric Vapor Liquid Equilibrium for Dimethylsulfoxide with Chloroethanes and Chloroethenes
tb	356.95	K	Vapor-Liquid Equilibria and Excess Molar Enthalpies for N-Methyl-2-pyrrolidone with Chloroethanes and Chloroethenes
tb	356.70	K	Excess volumes and speeds of sound of mixtures of 1,2-dibromoethane with chlorinated ethanes and ethenes at 303.15 K
tb	356.60	K	KDB
tc	563.15 ± 3.00	K	NIST Webbook
tc	561.60 ± 0.40	K	NIST Webbook
tc	561.00	K	KDB
tc	561.20	K	NIST Webbook
tf	237.65 ± 0.30	K	NIST Webbook
tf	237.70 ± 0.20	K	NIST Webbook
tf	237.28 ± 0.05	K	NIST Webbook
tf	176.35 ± 0.40	K	NIST Webbook
tf	237.50 ± 0.02	K	NIST Webbook
tf	241.15 ± 1.00	K	NIST Webbook
tf	237.65	K	Aqueous Solubility Prediction Method
tf	237.60	K	KDB
tf	237.88 ± 0.20	K	NIST Webbook
tf	237.85 ± 0.40	K	NIST Webbook
tf	237.85 ± 0.30	K	NIST Webbook
tf	237.45	K	NIST Webbook
tt	237.20 ± 0.02	K	NIST Webbook
tt	237.60 ± 0.30	K	NIST Webbook
vc	0.225	m3/kmol	KDB
zc	0.2604810		KDB
zra	0.27		KDB

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	99.91	J/mol×K	471.80	Joback Method
cpg	81.34	J/mol×K	320.02	Joback Method
cpg	85.39	J/mol×K	350.38	Joback Method
cpg	89.27	J/mol×K	380.73	Joback Method
cpg	92.98	J/mol×K	411.09	Joback Method
cpg	96.53	J/mol×K	441.45	Joback Method
cpg	103.15	J/mol×K	502.16	Joback Method
cpl	129.70	J/mol×K	298.00	NIST Webbook
cpl	129.54	J/mol×K	298.15	NIST Webbook
cpl	129.40	J/mol×K	298.15	NIST Webbook
cpl	128.81	J/mol×K	298.15	NIST Webbook
cpl	128.99	J/mol×K	298.15	NIST Webbook
cpl	129.00	J/mol×K	298.15	NIST Webbook
cpl	128.99	J/mol×K	298.15	NIST Webbook
cpl	128.60	J/mol×K	298.15	NIST Webbook
cpl	129.20	J/mol×K	293.00	NIST Webbook
cpl	122.20	J/mol×K	298.00	NIST Webbook
cpl	131.00	J/mol×K	300.00	NIST Webbook
cpl	128.90	J/mol×K	298.15	NIST Webbook
cpl	123.00	J/mol×K	298.00	NIST Webbook
cpl	124.30	J/mol×K	293.00	NIST Webbook
dvisc	0.0006747	Pa×s	308.15	Densities and Viscosities of (1-Propanol + 1,2-Dichloroethane), (1-Propanol + Benzaldehyde), (Benzaldehyde + 1,2-Dichloroethane), and (1-Propanol + 1,2-Dichloroethane + Benzaldehyde) Mixtures from T = 288.15 K to 313.15 K

dvisc	0.0007112	Pa×s	303.15	Densities and Viscosities of (1-Propanol + 1,2-Dichloroethane), (1-Propanol + Benzaldehyde), (Benzaldehyde + 1,2-Dichloroethane), and (1-Propanol + 1,2-Dichloroethane + Benzaldehyde) Mixtures from T = 288.15 K to 313.15 K
dvisc	0.0007597	Pa×s	298.15	Densities and Viscosities of (1-Propanol + 1,2-Dichloroethane), (1-Propanol + Benzaldehyde), (Benzaldehyde + 1,2-Dichloroethane), and (1-Propanol + 1,2-Dichloroethane + Benzaldehyde) Mixtures from T = 288.15 K to 313.15 K
dvisc	0.0006269	Pa×s	313.15	Densities and Viscosities of (1-Propanol + 1,2-Dichloroethane), (1-Propanol + Benzaldehyde), (Benzaldehyde + 1,2-Dichloroethane), and (1-Propanol + 1,2-Dichloroethane + Benzaldehyde) Mixtures from T = 288.15 K to 313.15 K
dvisc	0.0008112	Pa×s	293.15	Densities and Viscosities of (1-Propanol + 1,2-Dichloroethane), (1-Propanol + Benzaldehyde), (Benzaldehyde + 1,2-Dichloroethane), and (1-Propanol + 1,2-Dichloroethane + Benzaldehyde) Mixtures from T = 288.15 K to 313.15 K

dvisc	0.0008700	Pa×s	288.15	Densities and Viscosities of (1-Propanol + 1,2-Dichloroethane), (1-Propanol + Benzaldehyde), (Benzaldehyde + 1,2-Dichloroethane), and (1-Propanol + 1,2-Dichloroethane + Benzaldehyde) Mixtures from T = 288.15 K to 313.15 K
dvisc	0.0006441	Pa×s	313.15	Thermophysical properties of the binary mixtures of 1,2-Dichloroethane with Chlorobenzene and Bromobenzene from 298.15 to 313.15 K
dvisc	0.0006739	Pa×s	308.15	Thermophysical properties of the binary mixtures of 1,2-Dichloroethane with Chlorobenzene and Bromobenzene from 298.15 to 313.15 K
dvisc	0.0007291	Pa×s	303.15	Thermophysical properties of the binary mixtures of 1,2-Dichloroethane with Chlorobenzene and Bromobenzene from 298.15 to 313.15 K
dvisc	0.0007902	Pa×s	298.15	Thermophysical properties of the binary mixtures of 1,2-Dichloroethane with Chlorobenzene and Bromobenzene from 298.15 to 313.15 K
hfust	8.83	kJ/mol	237.20	NIST Webbook
hfust	8.83	kJ/mol	237.20	NIST Webbook
hfust	8.84	kJ/mol	237.20	NIST Webbook
hfust	8.75	kJ/mol	237.60	NIST Webbook

hfust	2.85	kJ/mol	175.00	NIST Webbook
hvapt	40.80	kJ/mol	542.00	NIST Webbook
hvapt	31.10	kJ/mol	446.00	NIST Webbook
hvapt	34.80	kJ/mol	326.50	NIST Webbook
hvapt	34.70	kJ/mol	329.00	NIST Webbook
hvapt	33.91	kJ/mol	273.00	NIST Webbook
hvapt	32.01	kJ/mol	357.10	KDB
hvapt	31.10	kJ/mol	457.00	NIST Webbook
hvapt	37.50	kJ/mol	307.50	NIST Webbook
hvapt	31.98	kJ/mol	356.60	NIST Webbook
hvapt	34.80	kJ/mol	356.50	NIST Webbook
pvap	21.05	kPa	313.15	Isothermal Vapor-Liquid Equilibria of ethyl acetate + dibromomethane, or + bromochloromethane or + 1,2-dichloroethane or +1-bromo-2-chloroethane at T = 313.15 K
pvap	13.28	kPa	303.15	Phase Equilibria on Four Binary Systems: 1,2-Dichloroethane + trans-1,2-Dichloroethylene, 1-Octene + 2-Methyl Thiophene, 2-Ethyl Thiophene + 2,2,4-Trimethylpentane, and Cyclopropanecarbonitrile + Water
pvap	90.90	kPa	353.15	Phase Equilibria on Four Binary Systems: 1,2-Dichloroethane + trans-1,2-Dichloroethylene, 1-Octene + 2-Methyl Thiophene, 2-Ethyl Thiophene + 2,2,4-Trimethylpentane, and Cyclopropanecarbonitrile + Water
pvap	5.38	kPa	284.86	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers

pvap	5.37	kPa	284.87	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	8.96	kPa	294.83	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	8.95	kPa	294.84	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	14.33	kPa	304.82	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	14.32	kPa	304.82	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	22.18	kPa	314.81	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	22.18	kPa	314.83	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	20.75	kPa	313.15	Excess enthalpies and isothermal (vapour + liquid) equilibria of (1-methyl-2-pyrrolidone + 1-chloroalkane or +,?-dichloroalkane) mixtures
pvap	33.27	kPa	324.83	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers

pvap	48.45	kPa	334.79	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	48.46	kPa	334.82	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	67.97	kPa	344.81	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	67.97	kPa	344.81	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	67.98	kPa	344.82	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	67.98	kPa	344.82	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	94.95	kPa	354.89	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	94.94	kPa	354.89	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	94.94	kPa	354.89	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	94.95	kPa	354.89	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers

pvap	95.50	kPa	355.15	Vapor-liquid equilibrium and excess Gibbs energies of some binary mixtures of acrylonitrile at 95.5 kPa
pvap	20.75	kPa	298.15	Excess molar enthalpies and (vapour + liquid) equilibria for mixtures containing N,N-dialkylamides and a,x-dichloroalkanes
pvap	33.28	kPa	324.82	Isothermal vapour liquid equilibria of binary systems of 1,2-dichloroethane with ethers
pvap	101.30	kPa	356.59	Isobaric Vapor-Liquid Equilibrium for the Binary Systems of 1,2-Dichloroethane + sec-Butyl Acetate, n-Propyl Acetate, and tert-Butyl Acetate at 101.3 kPa
rfi	1.44200		298.15	Thermodynamic study of (alkyl esters + a,x-alkyl dihalides) I: HE and V E for 25 binary mixtures {xCu-1H2u-1CO2C2H5 + (1-x)a,x-ClCH2(CH2)v-2CH2Cl}, where u = 1 to 5, a = 1 and v = x = 2 to 6
rfi	1.41960		293.15	Vapor-Liquid Equilibria of Binary Mixtures Formed by Hexan-1-ol with Chloroethanes and Chloroethenes at 95.6 kPa
rfi	1.41960		293.15	Bubble points of some binary mixtures formed by o-cresol at 95.75 kPa

rfi	1.44480	293.15	Excess Gibbs energies of selected binary mixtures formed by N,N-dimethyl formamide at 95.5 kPa
rfi	1.44210	298.15	Vapour pressure and excess Gibbs energy of binary 1,2-dichloroethane + cyclohexanone, chloroform + cyclopentanone and chloroform + cyclohexanone mixtures at temperatures from 298.15 to 318.15 K
rfi	1.41960	293.15	Bubble points of the binary mixtures formed by ethylbenzene with some chloroaliphatics and substituted benzenes at p = 94.7 kPa
rfi	1.44450	293.15	Isobaric (vapour + liquid) equilibria data for the binary systems {1,2-dichloroethane (1) + toluene (2)} and {1,2-dichloroethane (1) + acetic acid (2)} at atmospheric pressure
rfi	1.41960	293.15	Activity coefficients and excess Gibbs free energy of some binary mixtures formed by p-cresol at 95.23 kPa
rfi	1.44210	298.15	Bubble Temperature Measurements on the Binary Mixtures of n-Heptane or Nitrobenzene or Chlorobenzene with Some Chloroethanes and Chloroethylenes at (94.6 to 95.8) kPa

rfi	1.44210		298.15	Bubble-Temperature Measurements on Some Binary Mixtures Formed by Tetrahydrofuran or Amyl Alcohol with Hydrocarbons, Chlorohydrocarbons, or Butanols at (94.6 or 95.8) kPa
rfi	1.44210		298.15	Isothermal (vapour + liquid) equilibria in the binary mixtures (1,2-dichloroethane and 1,1,1-trichloroethane with cyclopentanone) within the temperature range (298.15 to 313.15) K
rhol	1252.15	kg/m3	293.20	Isobaric vapour liquid equilibria for binary mixtures of 1,2-dibromoethane with 1,2-dichloroethane, trichloromethane, and 1,1,2,2-tetrachloroethane at atmospheric pressure
rhol	1260.01	kg/m3	288.15	Densities and Excess Molar Volumes of the Binary Mixtures of Cyclohexanone with Chloroalkanes at Temperatures between (288.15 and 318.15) K
rhol	1245.48	kg/m3	298.15	Densities and Excess Molar Volumes of the Binary Mixtures of Cyclohexanone with Chloroalkanes at Temperatures between (288.15 and 318.15) K

rhol	1230.83	kg/m3	308.15	Densities and Excess Molar Volumes of the Binary Mixtures of Cyclohexanone with Chloroalkanes at Temperatures between (288.15 and 318.15) K
rhol	1216.04	kg/m3	318.15	Densities and Excess Molar Volumes of the Binary Mixtures of Cyclohexanone with Chloroalkanes at Temperatures between (288.15 and 318.15) K
rhol	1246.70	kg/m3	298.15	Excess Molar Volumes and Sound Speed in (Phenylacetonitrile + 1,2-Dichloroethane), (Phenylacetonitrile + 1,1,2-Trichloroethane), (Phenylacetonitrile + 1,1,2,2-Tetrachloroethane), (Phenylacetonitrile + Trichloroethene), and (Phenylacetonitrile + Tetrachloroethene) at Temperatures of (303.15, 308.15, and 313.15) K
rhol	1216.16	kg/m3	318.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K
rhol	1230.96	kg/m3	308.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K

rhol	1245.59	kg/m3	298.15	Volumetric Study for the Binary Nitromethane with Chloroalkane Mixtures at Temperatures in the Range (298.15 to 318.15) K
rhol	1238.70	kg/m3	303.15	Excess Molar Volumes and Sound Speed in (Phenylacetonitrile + 1,2-Dichloroethane), (Phenylacetonitrile + 1,1,2-Trichloroethane), (Phenylacetonitrile + 1,1,2,2-Tetrachloroethane), (Phenylacetonitrile + Trichloroethene), and (Phenylacetonitrile + Tetrachloroethene) at Temperatures of (303.15, 308.15, and 313.15) K
rhol	1230.50	kg/m3	308.15	Excess Molar Volumes and Sound Speed in (Phenylacetonitrile + 1,2-Dichloroethane), (Phenylacetonitrile + 1,1,2-Trichloroethane), (Phenylacetonitrile + 1,1,2,2-Tetrachloroethane), (Phenylacetonitrile + Trichloroethene), and (Phenylacetonitrile + Tetrachloroethene) at Temperatures of (303.15, 308.15, and 313.15) K

rhol	1223.70	kg/m3	313.15	Excess Molar Volumes and Sound Speed in (Phenylacetonitrile + 1,2-Dichloroethane), (Phenylacetonitrile + 1,1,2-Trichloroethane), (Phenylacetonitrile + 1,1,2,2-Tetrachloroethane), (Phenylacetonitrile + Trichloroethene), and (Phenylacetonitrile + Tetrachloroethene) at Temperatures of (303.15, 308.15, and 313.15) K
rhol	1260.33	kg/m3	288.15	Densities and Excess Molar Volumes of the Binary Mixtures of Cyclopentanone with Chloroalkanes at T = (288.15, 298.15, 308.15, and 318.15) K
rhol	1245.80	kg/m3	298.15	Densities and Excess Molar Volumes of the Binary Mixtures of Cyclopentanone with Chloroalkanes at T = (288.15, 298.15, 308.15, and 318.15) K
rhol	1250.00	kg/m3	289.00	KDB
rhol	1231.15	kg/m3	308.15	Densities and Excess Molar Volumes of the Binary Mixtures of Cyclopentanone with Chloroalkanes at T = (288.15, 298.15, 308.15, and 318.15) K

rhol	1246.37	kg/m3	298.15	Hydrogen bond interactions in the blends of 1,4-dioxane with some 1, 2-disubstituted ethanes at T = (298.15, 308.15 and 318.15) K
rhol	1231.21	kg/m3	308.15	Hydrogen bond interactions in the blends of 1,4-dioxane with some 1, 2-disubstituted ethanes at T = (298.15, 308.15 and 318.15) K
rhol	1214.55	kg/m3	318.15	Hydrogen bond interactions in the blends of 1,4-dioxane with some 1, 2-disubstituted ethanes at T = (298.15, 308.15 and 318.15) K
rhol	1246.34	kg/m3	298.15	(Vapor + liquid) equilibria for the binary mixtures (1-propanol + dibromomethane, or + bromochloromethane, or + 1,2-dichloroethane or +1-bromo-2-chloroethane) at T = 313.15 K.
rhol	1252.74	kg/m3	293.15	Thermophysical and sonochemical behaviour of binary mixtures of decan-1-ol with halohydrocarbons at (T = 293.15 and 313.15) K
rhol	1252.82	kg/m3	293.15	Theoretical and experimental study on volumetric and electromagnetic properties of binary systems consisting of 1,2-dichloroethane with benzene and its derivatives at T = (293.15 to 333.15) K

rhol	1238.27	kg/m3	303.15	Theoretical and experimental study on volumetric and electromagnetic properties of binary systems consisting of 1,2-dichloroethane with benzene and its derivatives at T = (293.15 to 333.15) K	
rhol	1223.53	kg/m3	313.15	Theoretical and experimental study on volumetric and electromagnetic properties of binary systems consisting of 1,2-dichloroethane with benzene and its derivatives at T = (293.15 to 333.15) K	
rhol	1208.61	kg/m3	323.15	Theoretical and experimental study on volumetric and electromagnetic properties of binary systems consisting of 1,2-dichloroethane with benzene and its derivatives at T = (293.15 to 333.15) K	
rhol	1193.61	kg/m3	333.15	Theoretical and experimental study on volumetric and electromagnetic properties of binary systems consisting of 1,2-dichloroethane with benzene and its derivatives at T = (293.15 to 333.15) K	
rhol	1253.00	kg/m3	293.15	Influence of chlorine atom on interactions between halo-hydrocarbons and 1-nonanol: Density and speed of sound measurements	

rhol	1246.00	kg/m3	298.15	Influence of chlorine atom on interactions between halo-hydrocarbons and 1-nonanol: Density and speed of sound measurements	
rhol	1238.00	kg/m3	303.15	Influence of chlorine atom on interactions between halo-hydrocarbons and 1-nonanol: Density and speed of sound measurements	
rhol	1231.00	kg/m3	308.15	Influence of chlorine atom on interactions between halo-hydrocarbons and 1-nonanol: Density and speed of sound measurements	
rhol	1259.99	kg/m3	288.15	Volumetric properties of binary liquid mixtures of alcohols with 1,2-dichloroethane at different temperatures and atmospheric pressure	
rhol	1252.77	kg/m3	293.15	Volumetric properties of binary liquid mixtures of alcohols with 1,2-dichloroethane at different temperatures and atmospheric pressure	
rhol	1245.49	kg/m3	298.15	Volumetric properties of binary liquid mixtures of alcohols with 1,2-dichloroethane at different temperatures and atmospheric pressure	

rhol	1238.18	kg/m3	303.15	Volumetric properties of binary liquid mixtures of alcohols with 1,2-dichloroethane at different temperatures and atmospheric pressure	
rhol	1230.84	kg/m3	308.15	Volumetric properties of binary liquid mixtures of alcohols with 1,2-dichloroethane at different temperatures and atmospheric pressure	
rhol	1223.46	kg/m3	313.15	Volumetric properties of binary liquid mixtures of alcohols with 1,2-dichloroethane at different temperatures and atmospheric pressure	
rhol	1259.99	kg/m3	288.15	Volumetric properties of binary liquid mixtures of ketones with chloroalkanes at different temperatures and atmospheric pressure	
rhol	1252.77	kg/m3	293.15	Volumetric properties of binary liquid mixtures of ketones with chloroalkanes at different temperatures and atmospheric pressure	
rhol	1238.18	kg/m3	303.15	Volumetric properties of binary liquid mixtures of ketones with chloroalkanes at different temperatures and atmospheric pressure	

rhol	1230.84	kg/m3	308.15	Volumetric properties of binary liquid mixtures of ketones with chloroalkanes at different temperatures and atmospheric pressure
rhol	1223.46	kg/m3	313.15	Volumetric properties of binary liquid mixtures of ketones with chloroalkanes at different temperatures and atmospheric pressure
rhol	1245.49	kg/m3	298.15	Volumetric properties of binary liquid mixtures of ketones with chloroalkanes at different temperatures and atmospheric pressure
rhol	1245.68	kg/m3	298.15	Isothermal Vapor-Liquid Equilibria and Excess Gibbs Energies for Binary Mixtures of Cyclic Ethers with 1,2-Dichloroethane
rhol	1260.35	kg/m3	288.15	Densities and Excess Molar Volumes for the Binary and Ternary Systems of (1,4-Dioxane, 1-Propanol or 2-Propanol, and 1,2-Dichloroethane) at T = (288.15 to 318.15) K. Experimental Measurements and Prigogine-Flory-Patterson Modeling

rhol	1245.75	kg/m3	298.15	Densities and Excess Molar Volumes for the Binary and Ternary Systems of (1,4-Dioxane, 1-Propanol or 2-Propanol, and 1,2-Dichloroethane) at T = (288.15 to 318.15) K. Experimental Measurements and Prigogine-Flory-Patterson Modeling
rhol	1231.16	kg/m3	308.15	Densities and Excess Molar Volumes for the Binary and Ternary Systems of (1,4-Dioxane, 1-Propanol or 2-Propanol, and 1,2-Dichloroethane) at T = (288.15 to 318.15) K. Experimental Measurements and Prigogine-Flory-Patterson Modeling
rhol	1216.56	kg/m3	318.15	Densities and Excess Molar Volumes for the Binary and Ternary Systems of (1,4-Dioxane, 1-Propanol or 2-Propanol, and 1,2-Dichloroethane) at T = (288.15 to 318.15) K. Experimental Measurements and Prigogine-Flory-Patterson Modeling
rhol	1245.76	kg/m3	298.15	Densities and Excess Molar Volumes for the Binary and Ternary Systems of (1,4-Dioxane, 1-Propanol or 2-Propanol, and 1,2-Dichloroethane) at T = (288.15 to 318.15) K. Experimental Measurements and Prigogine-Flory-Patterson Modeling

rhol	1267.39	kg/m3	283.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1265.95	kg/m3	284.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1264.50	kg/m3	285.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1263.05	kg/m3	286.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1261.60	kg/m3	287.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1260.15	kg/m3	288.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhol	1258.70	kg/m3	289.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1257.25	kg/m3	290.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1255.80	kg/m3	291.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1254.35	kg/m3	292.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1252.89	kg/m3	293.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1251.44	kg/m3	294.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhol	1249.98	kg/m3	295.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1248.52	kg/m3	296.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1247.07	kg/m3	297.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1245.61	kg/m3	298.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1244.15	kg/m3	299.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1242.69	kg/m3	300.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhol	1241.22	kg/m3	301.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1239.76	kg/m3	302.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1238.29	kg/m3	303.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1236.83	kg/m3	304.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1235.36	kg/m3	305.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1233.89	kg/m3	306.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhol	1232.42	kg/m3	307.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1230.95	kg/m3	308.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1229.47	kg/m3	309.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1228.00	kg/m3	310.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1226.53	kg/m3	311.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1225.05	kg/m3	312.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhol	1223.57	kg/m3	313.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1222.09	kg/m3	314.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1220.61	kg/m3	315.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1219.13	kg/m3	316.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1217.64	kg/m3	317.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1216.16	kg/m3	318.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhol	1214.67	kg/m3	319.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1213.18	kg/m3	320.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1211.69	kg/m3	321.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1210.20	kg/m3	322.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1208.70	kg/m3	323.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1207.21	kg/m3	324.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhol	1205.71	kg/m3	325.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1204.21	kg/m3	326.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1202.71	kg/m3	327.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1201.21	kg/m3	328.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1199.70	kg/m3	329.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1198.19	kg/m3	330.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure

rhol	1196.69	kg/m3	331.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1195.18	kg/m3	332.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1193.66	kg/m3	333.15	Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure
rhol	1216.35	kg/m3	318.15	Densities and Excess Molar Volumes of the Binary Mixtures of Cyclopentanone with Chloroalkanes at T = (288.15, 298.15, 308.15, and 318.15) K
sfust	16.20	J/mol×K	237.20	NIST Webbook
sfust	37.25	J/mol×K	237.20	NIST Webbook
sfust	36.80	J/mol×K	175.00	NIST Webbook
speedsl	1156.06	m/s	308.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories

speedsl	1194.44	m/s	298.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories
speedsl	1193.60	m/s	298.15	Densities, Excess Molar Volumes, Ultrasonic Speeds, and Isentropic Compressibilities of Hexan-1-ol with 1,2-Dichloroethane, 1,2-Dibromoethane, and 1,1,2,2-Tetrachloroethene at (293.15 and 298.15) K
speedsl	1212.92	m/s	293.15	Densities, Excess Molar Volumes, Ultrasonic Speeds, and Isentropic Compressibilities of Hexan-1-ol with 1,2-Dichloroethane, 1,2-Dibromoethane, and 1,1,2,2-Tetrachloroethene at (293.15 and 298.15) K
speedsl	1117.75	m/s	318.15	Speeds of sound, isentropic compressibilities and refractive indices for some binary mixtures of nitromethane with chloroalkane at temperatures from 298.15 to 318.15 K. Comparison with theories
srf	0.03	N/m	308.15	The additivity of surface and volumetric properties of alpha,omega-dihalogenoalkanes

srf	0.03	N/m	303.15	The additivity of surface and volumetric properties of alpha,omega-dihalogenoalkanes
srf	0.03	N/m	298.15	The additivity of surface and volumetric properties of alpha,omega-dihalogenoalkanes
srf	0.03	N/m	293.15	The additivity of surface and volumetric properties of alpha,omega-dihalogenoalkanes
srf	0.03	N/m	293.20	KDB
srf	0.03	N/m	313.15	The additivity of surface and volumetric properties of alpha,omega-dihalogenoalkanes

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbp	357.25	K	101.35	Isobaric Vapor Liquid Equilibrium Data for the 1,2-Dichloroethane-1-Butanol System
tbp	352.05	K	86.69	Isobaric Vapor Liquid Equilibrium Data for the 1,2-Dichloroethane-1-Butanol System
tbp	349.45	K	80.02	Isobaric Vapor Liquid Equilibrium Data for the 1,2-Dichloroethane-1-Butanol System
tbp	346.55	K	73.35	Isobaric Vapor Liquid Equilibrium Data for the 1,2-Dichloroethane-1-Butanol System
tbp	343.85	K	66.68	Isobaric Vapor Liquid Equilibrium Data for the 1,2-Dichloroethane-1-Butanol System

tbp	340.45	K	60.01	Isobaric Vapor Liquid Equilibrium Data for the 1,2-Dichloroethane-1-Butanol System

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.47712e+01
Coeff. B	-3.23907e+03
Coeff. C	-3.76700e+01
Temperature range (K), min.	237.49
Temperature range (K), max.	561.60

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/T + C*ln(T) + D*T^2
Coeff. A	8.39680e+01
Coeff. B	-6.90490e+03
Coeff. C	-1.03825e+01
Coeff. D	8.36813e-06
Temperature range (K), min.	237.49
Temperature range (K), max.	561.00

Datasets

Viscosity, Pa*s

Temperature, K - Liquid	Pressure, kPa - Liquid	Viscosity, Pa*s - Liquid
308.15	101.00	0.0006460

Reference *https://www.doi.org/10.1016/j.jct.2006.06.009*

Mass density, kg/m3

Temperature, K - Liquid	Pressure, kPa - Liquid	Mass density, kg/m3 - Liquid
288.15	100.00	1259.9
288.15	500.00	1260.3
288.15	1000.00	1260.8
288.15	1500.00	1261.2
288.15	2000.00	1261.6
288.15	2500.00	1262.2
288.15	3100.00	1262.7
288.15	3600.00	1263.2
288.15	4100.00	1263.6
288.15	4600.00	1264.0
288.15	5100.00	1264.5
288.15	5600.00	1264.9
288.15	6100.00	1265.4
288.15	6600.00	1265.8
288.15	7100.00	1266.2
288.15	7600.00	1266.7
288.15	8100.00	1267.2
288.15	8600.00	1267.6
288.15	9200.00	1268.2
288.15	9600.00	1268.6
288.15	10100.00	1269.0
288.15	10600.00	1269.4
288.15	11100.00	1269.8
288.15	11600.00	1270.3
288.15	12100.00	1270.7
288.15	12600.00	1271.0
288.15	13100.00	1271.5
288.15	13600.00	1271.9
288.15	14100.00	1272.4
288.15	14700.00	1272.9
288.15	15200.00	1273.3
288.15	15700.00	1273.7
288.15	16300.00	1274.2
288.15	16800.00	1274.6
288.15	17200.00	1275.0
288.15	17700.00	1275.4
288.15	18200.00	1275.8

288.15	18600.00	1276.2
288.15	19000.00	1276.5
288.15	19400.00	1276.9
288.15	20000.00	1277.3
298.15	100.00	1245.5
298.15	500.00	1246.1
298.15	1000.00	1246.4
298.15	1500.00	1246.9
298.15	2000.00	1247.4
298.15	2500.00	1247.8
298.15	3100.00	1248.5
298.15	3600.00	1248.9
298.15	4100.00	1249.4
298.15	4600.00	1249.9
298.15	5100.00	1250.4
298.15	5600.00	1250.9
298.15	6100.00	1251.4
298.15	6600.00	1251.9
298.15	7100.00	1252.3
298.15	7600.00	1252.9
298.15	8100.00	1253.2
298.15	8600.00	1253.8
298.15	9200.00	1254.4
298.15	9600.00	1254.9
298.15	10000.00	1255.1
298.15	10600.00	1255.9
298.15	11100.00	1256.4
298.15	11600.00	1256.7
298.15	12100.00	1257.3
298.15	12600.00	1257.6
298.15	13100.00	1258.0
298.15	13600.00	1258.5
298.15	14200.00	1259.0
298.15	14700.00	1259.4
298.15	15200.00	1260.0
298.15	15700.00	1260.5
298.15	16200.00	1260.8
298.15	16700.00	1261.4
298.15	17300.00	1261.9
298.15	17800.00	1262.4
298.15	18300.00	1262.8
298.15	18800.00	1263.3
298.15	19200.00	1263.7
298.15	19700.00	1264.1

298.15	20200.00	1264.5
308.15	100.00	1231.0
308.15	500.00	1231.4
308.15	1000.00	1232.0
308.15	1500.00	1232.5
308.15	2000.00	1233.0
308.15	2500.00	1233.5
308.15	3100.00	1234.2
308.15	3600.00	1234.7
308.15	4100.00	1235.2
308.15	4600.00	1235.7
308.15	5100.00	1236.2
308.15	5600.00	1236.9
308.15	6100.00	1237.3
308.15	6600.00	1237.9
308.15	7100.00	1238.4
308.15	7600.00	1238.6
308.15	8100.00	1239.3
308.15	8600.00	1239.8
308.15	9200.00	1240.4
308.15	9600.00	1240.9
308.15	10100.00	1241.3
308.15	10600.00	1241.8
308.15	11100.00	1242.3
308.15	11600.00	1242.8
308.15	12100.00	1243.4
308.15	12600.00	1243.8
308.15	13100.00	1244.2
308.15	13600.00	1244.7
308.15	14200.00	1245.3
308.15	14700.00	1245.8
308.15	15200.00	1246.4
308.15	15700.00	1246.8
308.15	16200.00	1247.2
308.15	16700.00	1247.7
308.15	17200.00	1248.2
308.15	17800.00	1248.7
308.15	18300.00	1249.2
308.15	18800.00	1249.6
308.15	19200.00	1250.1
308.15	19700.00	1250.6
308.15	20200.00	1251.0
318.15	100.00	1216.4
318.15	500.00	1216.7

318.15	1000.00	1217.4
318.15	1500.00	1218.0
318.15	2000.00	1218.5
318.15	2500.00	1219.1
318.15	3100.00	1219.8
318.15	3600.00	1220.3
318.15	4100.00	1220.9
318.15	4600.00	1221.4
318.15	5100.00	1222.0
318.15	5600.00	1222.6
318.15	6100.00	1223.1
318.15	6600.00	1223.6
318.15	7100.00	1224.1
318.15	7600.00	1224.7
318.15	8100.00	1225.2
318.15	8600.00	1225.8
318.15	9200.00	1226.3
318.15	9600.00	1226.9
318.15	10100.00	1227.5
318.15	10600.00	1227.9
318.15	11100.00	1228.4
318.15	11600.00	1229.0
318.15	12100.00	1229.5
318.15	12500.00	1230.0
318.15	13100.00	1230.6
318.15	13600.00	1231.0
318.15	14200.00	1231.6
318.15	14700.00	1232.1
318.15	15200.00	1232.7
318.15	15600.00	1233.1
318.15	16300.00	1233.8
318.15	16800.00	1234.2
318.15	17300.00	1234.8
318.15	17800.00	1235.2
318.15	18200.00	1235.5
318.15	18900.00	1236.2
318.15	19200.00	1236.5
318.15	19700.00	1237.1
318.15	20200.00	1237.5

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Legend

af:	Acentric Factor
chl:	Standard liquid enthalpy of combustion
cpg:	Ideal gas heat capacity
cpl:	Liquid phase heat capacity
dm:	Dipole Moment
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
gyrad:	Radius of Gyration
hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature

ie:	Ionization energy
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
rhoc:	Critical density
rhol:	Liquid Density
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
sfust:	Entropy of fusion at a given temperature
sl:	Liquid phase molar entropy at standard conditions
speedsl:	Speed of sound in fluid
srf:	Surface Tension
tb:	Normal Boiling Point Temperature
tbp:	Boiling point at given pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature
vc:	Critical Volume
zc:	Critical Compressibility
zra:	Rackett Parameter

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