

Methane, dimethoxy-

Other names:	(CH3O)2CH2 2,4-dioxapentane Anesthenyl Bis(methoxy)methane Dimethylacetal formaldehyde Formal Formaldehyde dimethyl acetal Formaldehyde methyl ketal Methoxymethyl methyl ether Methylene dimethyl ether Methylene glycol dimethylether Methylenedioxydimethane Metylal UN 1234 dimethoxymethane dimethyl formal formaldehyde, dimethyl acetal methanal, dimethyl acetal methylal
Inchi:	InChI=1S/C3H8O2/c1-4-3-5-2/h3H2,1-2H3
InchiKey:	NKDDWNXOKDWJAK-UHFFFAOYSA-N
Formula:	C3H8O2
SMILES:	COCOC
Mol. weight [g/mol]:	76.09
CAS:	109-87-5

Physical Properties

Property code	Value	Unit	Source
af	0.3199		Cheméo Relay (1.0)
chg	-1975.70 ± 0.75	kJ/mol	NIST Webbook
gf	-235.62	kJ/mol	Joback Method
hf	-348.20 ± 0.79	kJ/mol	NIST Webbook
hfus	5.90	kJ/mol	Joback Method
hvap	29.60	kJ/mol	NIST Webbook
hvap	28.89 ± 0.21	kJ/mol	NIST Webbook
hvap	28.89 ± 0.21	kJ/mol	NIST Webbook
ie	10.42	eV	NIST Webbook

ie	10.00 ± 0.05	eV	NIST Webbook
ie	9.70	eV	NIST Webbook
ie	10.20	eV	NIST Webbook
ie	10.29	eV	NIST Webbook
log10ws	0.48		Estimated Solubility Method
log10ws	0.48		Aqueous Solubility Prediction Method
logp	0.237		Crippen Method
mcvol	64.870	ml/mol	McGowan Method
pc	3950.00 ± 70.92	kPa	NIST Webbook
rhoc	356.88 ± 29.68	kg/m3	NIST Webbook
rinpol	500.00		NIST Webbook
rinpol	511.00		NIST Webbook
rinpol	505.00		NIST Webbook
rinpol	505.00		NIST Webbook
rinpol	508.00		NIST Webbook
rinpol	508.00		NIST Webbook
rinpol	511.00		NIST Webbook
ripol	740.00		NIST Webbook
sg	335.72 ± 0.62	J/mol×K	NIST Webbook
sl	244.01	J/mol×K	NIST Webbook
tb	315.45 ± 0.30	K	NIST Webbook
tb	315.50 ± 0.60	K	NIST Webbook
tb	315.15 ± 1.50	K	NIST Webbook
tb	315.30 ± 0.50	K	NIST Webbook
tb	315.45 ± 0.20	K	NIST Webbook
tb	315.15 ± 1.00	K	NIST Webbook
tb	315.50 ± 0.60	K	NIST Webbook
tb	315.65 ± 1.00	K	NIST Webbook
tb	314.70	K	NIST Webbook
tb	315.25	K	Vapor-Liquid Equilibria for the Binary Systems of Dimethoxymethane with Some Fuel Oxygenates
tb	315.50 ± 0.40	K	NIST Webbook
tc	488.40 ± 6.00	K	NIST Webbook
tc	488.90	K	DIPPR Project 851 - Thirty Years of Vapor-Liquid Critical Point Measurements and Experimental Technique Development
tc	496.80 ± 10.00	K	NIST Webbook
tc	480.60 ± 1.00	K	NIST Webbook
tf	168.20	K	Aqueous Solubility Prediction Method
tf	168.00 ± 2.00	K	NIST Webbook

tf	168.35 ± 0.50	K	NIST Webbook
tf	168.15 ± 0.40	K	NIST Webbook
tf	168.35 ± 0.30	K	NIST Webbook
tt	168.01 ± 0.02	K	NIST Webbook
tt	168.03 ± 0.05	K	NIST Webbook
tt	168.01 ± 0.02	K	NIST Webbook
vc	0.235	m3/kmol	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	138.28	J/mol×K	477.41	Joback Method
cpg	133.23	J/mol×K	449.99	Joback Method
cpg	128.13	J/mol×K	422.57	Joback Method
cpg	123.00	J/mol×K	395.15	Joback Method
cpg	117.83	J/mol×K	367.72	Joback Method
cpg	112.65	J/mol×K	340.30	Joback Method
cpg	107.46	J/mol×K	312.88	Joback Method
cpl	161.42	J/mol×K	298.15	NIST Webbook
cpl	163.60	J/mol×K	298.00	NIST Webbook
dvisc	0.0002410	Pa×s	323.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0010987	Pa×s	223.09	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001420	Pa×s	383.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001420	Pa×s	383.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001486	Pa×s	378.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K

dvisc	0.0001486	Pa×s	378.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001554	Pa×s	373.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001554	Pa×s	373.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001623	Pa×s	368.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001624	Pa×s	368.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001696	Pa×s	363.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001696	Pa×s	363.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001771	Pa×s	358.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001771	Pa×s	358.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001850	Pa×s	353.13	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K

dvisc	0.0001850	Pa×s	353.12	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001931	Pa×s	348.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0001931	Pa×s	348.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002017	Pa×s	343.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002017	Pa×s	343.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002107	Pa×s	338.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0006886	Pa×s	243.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002107	Pa×s	338.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002202	Pa×s	333.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002202	Pa×s	333.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K

dvisc	0.0002303	Paxs	328.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002303	Paxs	328.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002409	Paxs	323.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002524	Paxs	318.17	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002524	Paxs	318.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002647	Paxs	313.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002647	Paxs	313.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002781	Paxs	308.17	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002781	Paxs	308.16	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0002927	Paxs	303.13	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K

dvisc	0.0002927	Pa×s	303.12	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0003086	Pa×s	298.13	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0003086	Pa×s	298.12	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0003262	Pa×s	293.09	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0003262	Pa×s	293.09	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0003451	Pa×s	288.17	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0003452	Pa×s	288.17	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0003669	Pa×s	283.10	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0003669	Pa×s	283.10	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0003912	Pa×s	278.05	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K

dvisc	0.0003912	Pa×s	278.05	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0004183	Pa×s	273.05	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0004183	Pa×s	273.05	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0004489	Pa×s	268.09	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0004489	Pa×s	268.09	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0004839	Pa×s	263.09	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0004841	Pa×s	263.07	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0005238	Pa×s	258.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0005240	Pa×s	258.12	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0005705	Pa×s	253.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K

dvisc	0.0005705	Pa×s	253.13	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0006248	Pa×s	248.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0006248	Pa×s	248.14	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0006885	Pa×s	243.15	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0007648	Pa×s	238.11	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0008556	Pa×s	233.10	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0008557	Pa×s	233.10	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0009648	Pa×s	228.11	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0009649	Pa×s	228.10	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0007648	Pa×s	238.11	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K

dvisc	0.0010987	Pa×s	223.09	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0012631	Pa×s	218.09	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
dvisc	0.0012630	Pa×s	218.09	Density and Viscosity of Saturated Liquid Dimethoxymethane from (218.15 to 383.15) K
hfust	8.33	kJ/mol	168.00	NIST Webbook
hfust	8.33	kJ/mol	168.01	NIST Webbook
hfust	8.33	kJ/mol	168.00	NIST Webbook
hfust	8.33	kJ/mol	168.01	NIST Webbook
hvapt	28.89	kJ/mol	298.15	NIST Webbook
hvapt	31.20	kJ/mol	294.50	NIST Webbook
hvapt	29.80	kJ/mol	295.50	NIST Webbook
hvapt	30.30	kJ/mol	305.00	NIST Webbook
hvapt	30.10	kJ/mol	290.50	NIST Webbook
hvapt	28.89	kJ/mol	298.15	NIST Webbook
pvap	142.06	kPa	325.18	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	83.80	kPa	310.07	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	477.61	kPa	368.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	421.82	kPa	363.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	371.53	kPa	358.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane

pvap	325.16	kPa	353.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	283.65	kPa	348.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	260.68	kPa	345.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	246.24	kPa	343.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	225.73	kPa	340.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	212.79	kPa	338.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	194.47	kPa	335.17	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	182.96	kPa	333.17	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	166.67	kPa	330.17	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	156.44	kPa	328.17	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	935.48	kPa	398.15	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	132.98	kPa	323.17	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane

pvap	111.95	kPa	318.13	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	93.85	kPa	313.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	538.51	kPa	373.15	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	77.74	kPa	308.05	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	69.42	kPa	305.05	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	64.26	kPa	303.05	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	57.14	kPa	300.07	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	52.94	kPa	298.07	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	46.83	kPa	295.07	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	43.08	kPa	293.07	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	34.73	kPa	288.11	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	30.39	kPa	285.13	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane

pvap	27.73	kPa	283.13	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	842.82	kPa	393.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	605.33	kPa	378.16	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	677.68	kPa	383.13	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
pvap	757.05	kPa	388.15	Vapor Pressure of Dimethoxymethane and 1,1,1,3,3-Pentafluoropropane
rhoI	848.59	kg/m3	303.15	Isobaric vapor-liquid equilibria for binary mixtures from methyl methanoate, dimethoxymethane and dimethyl carbonate at 101.33 kPa
rhoI	847.51	kg/m3	298.15	Vapor-Liquid Equilibria and Excess Enthalpies for Binary Systems of Dimethoxymethane with Hydrocarbons
rhoI	847.51	kg/m3	298.15	Phase equilibria for binary systems of octane boosters with 2,2,4-trimethylpentane
sfust	49.59	J/mol×K	168.01	NIST Webbook
sfust	49.59	J/mol×K	168.01	NIST Webbook
srf	0.01	N/m	388.14	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether

srf	0.03	N/m	248.13	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	333.16	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	328.13	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	323.15	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	318.16	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	313.16	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	308.15	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	303.16	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	298.04	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	293.05	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	288.08	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	283.07	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether

srf	0.02	N/m	278.08	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	273.09	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	268.09	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	263.08	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.02	N/m	338.16	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.03	N/m	243.12	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.03	N/m	238.07	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.01	N/m	343.15	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.01	N/m	348.14	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.03	N/m	258.12	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.01	N/m	358.15	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.01	N/m	353.15	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether

srf	0.01	N/m	363.15	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.01	N/m	368.15	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.01	N/m	373.15	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.01	N/m	378.15	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.01	N/m	383.13	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
srf	0.03	N/m	253.12	Surface Tension of Dimethoxymethane and Methyl tert-Butyl Ether
svapt	96.90	J/mol×K	298.15	NIST Webbook
svapt	96.90	J/mol×K	298.15	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/T + C \cdot \ln(T) + D \cdot T^2$
Coeff. A	6.23348e+01
Coeff. B	-5.39408e+03
Coeff. C	-7.16190e+00
Coeff. D	5.97290e-06
Temperature range (K), min.	168.35
Temperature range (K), max.	480.60

Datasets

Viscosity, Pa*s

Temperature, K - Liquid	Pressure, kPa - Liquid	Viscosity, Pa*s - Liquid
243.15	100.00	0.0006298
243.15	4400.00	0.0006510
243.15	9420.00	0.0006752
243.15	14450.00	0.0007003
243.15	19440.00	0.0007258
253.15	100.00	0.0005389
253.15	4420.00	0.0005560
253.15	9410.00	0.0005769
253.15	14450.00	0.0005975
253.15	19440.00	0.0006191
263.15	100.00	0.0004697
263.15	4440.00	0.0004857
263.15	9440.00	0.0005039
263.15	14470.00	0.0005215
263.15	19470.00	0.0005406
273.15	100.00	0.0004145
273.15	4440.00	0.0004285
273.15	9440.00	0.0004446
273.15	14480.00	0.0004615
273.15	19540.00	0.0004783
283.15	100.00	0.0003685
283.15	4450.00	0.0003818
283.15	9430.00	0.0003964
283.15	14490.00	0.0004114
283.15	19550.00	0.0004265
293.15	100.00	0.0003303
293.15	4410.00	0.0003420
293.15	9460.00	0.0003559
293.15	14490.00	0.0003692
293.15	19550.00	0.0003832
303.15	100.00	0.0002963
303.15	4450.00	0.0003076
303.15	9450.00	0.0003199
303.15	14490.00	0.0003323
303.15	19550.00	0.0003450

313.15	160.00	0.0002682
313.15	4440.00	0.0002785
313.15	9420.00	0.0002905
313.15	14450.00	0.0003022
313.15	19440.00	0.0003137
323.15	190.00	0.0002436
323.15	4390.00	0.0002532
323.15	9420.00	0.0002644
323.15	14460.00	0.0002758
323.15	19490.00	0.0002866
333.15	210.00	0.0002202
333.15	4390.00	0.0002290
333.15	9410.00	0.0002401
333.15	14450.00	0.0002504
333.15	19450.00	0.0002610
343.15	280.00	0.0002009
343.15	4430.00	0.0002096
343.15	9430.00	0.0002203
343.15	14460.00	0.0002301
343.15	19460.00	0.0002400
353.15	360.00	0.0001837
353.15	4370.00	0.0001922
353.15	9400.00	0.0002024
353.15	14450.00	0.0002123
353.15	19430.00	0.0002217
363.15	430.00	0.0001688
363.15	4400.00	0.0001767
363.15	9410.00	0.0001868
363.15	14450.00	0.0001963
363.15	19460.00	0.0002059
373.15	550.00	0.0001551
373.15	4370.00	0.0001628
373.15	9400.00	0.0001728
373.15	14450.00	0.0001822
373.15	19480.00	0.0001914

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af:	Acentric Factor
chg:	Standard gas enthalpy of combustion
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
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
rhoc:	Critical density
rhof:	Liquid Density
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
sfust:	Entropy of fusion at a given temperature
sg:	Molar entropy at standard conditions
sl:	Liquid phase molar entropy at standard conditions
srf:	Surface Tension
svapt:	Entropy of vaporization at a given temperature
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
tt:	Triple Point Temperature
vc:	Critical Volume

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