

Dodecane

Other names:	Adakane 12 BIHEXYL Ba 51-090453 CH3(CH2)10CH3 Dihexyl Duodecane NSC 8714 n-Dodecane
Inchi:	InChI=1S/C12H26/c1-3-5-7-9-11-12-10-8-6-4-2/h3-12H2,1-2H3
InchiKey:	SNRUBQQJIBEYMU-UHFFFAOYSA-N
Formula:	C12H26
SMILES:	CCCCCCCCCCCC
Mol. weight [g/mol]:	170.33
CAS:	112-40-3

Physical Properties

Property code	Value	Unit	Source
af	0.5750		KDB
chl	-8083.20	kJ/mol	NIST Webbook
chl	-8086.00 ± 1.20	kJ/mol	NIST Webbook
chl	-7901.74	kJ/mol	NIST Webbook
chl	-8090.60 ± 7.90	kJ/mol	NIST Webbook
dm	0.00	debye	KDB
gf	50.07	kJ/mol	KDB
hf	-288.10 ± 3.30	kJ/mol	NIST Webbook
hf	-290.90 ± 1.40	kJ/mol	NIST Webbook
hf	-291.10	kJ/mol	KDB
hfl	-349.30 ± 3.20	kJ/mol	NIST Webbook
hfl	-352.10 ± 1.40	kJ/mol	NIST Webbook
hfus	26.84	kJ/mol	Joback Method
hsub	100.20	kJ/mol	NIST Webbook
hvap	42.31	kJ/mol	Joback Method
log10ws	-4.85		Crippen Method
logp	4.927		Crippen Method
mcvol	179.940	ml/mol	McGowan Method
nfpaf	%!d(float64=2)		KDB
pc	1834.00	kPa	NIST Webbook

pc	1824.00 ± 10.00	kPa	NIST Webbook
pc	1820.00	kPa	KDB
pc	1800.00 ± 100.00	kPa	NIST Webbook
pc	1860.00 ± 13.78	kPa	NIST Webbook
pc	1810.00 ± 20.00	kPa	NIST Webbook
rhoc	226.55 ± 6.81	kg/m3	NIST Webbook
rhoc	221.44 ± 17.03	kg/m3	NIST Webbook
rinpol	209.90		NIST Webbook
rinpol	202.83		NIST Webbook
rinpol	200.12		NIST Webbook
sg	622.50	J/mol×K	NIST Webbook
sl	490.66	J/mol×K	NIST Webbook
sl	497.10	J/mol×K	NIST Webbook
tb	489.47	K	KDB
tb	479.15	K	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
tc	658.00	K	KDB
tf	263.50	K	KDB
tf	263.70	K	Determination of thermophysical properties of cyclopentane hydrate using a stirred calorimetric cell
tf	264.95	K	Density, Viscosity, and Freezing Point for Four Binary Systems of n-Dodecane or Methylcyclohexane Mixed with 1-Heptanol or Cyclohexylmethanol
vc	0.754	m3/kmol	KDB
vc	0.754	m3/kmol	NIST Webbook
zc	0.2508300		KDB
zra	0.25		KDB

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	498.37	J/mol×K	634.98	Joback Method
cpg	470.20	J/mol×K	581.30	Joback Method
cpg	455.26	J/mol×K	554.47	Joback Method
cpg	439.73	J/mol×K	527.63	Joback Method
cpg	423.59	J/mol×K	500.80	Joback Method

cpg	406.83	J/mol×K	473.96	Joback Method
cpg	484.57	J/mol×K	608.14	Joback Method
cpl	380.02	J/mol×K	308.15	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}
cpl	377.43	J/mol×K	303.15	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}
cpl	375.04	J/mol×K	298.15	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}
cpl	372.74	J/mol×K	293.15	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}
cpl	370.48	J/mol×K	288.15	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}
cpl	368.47	J/mol×K	283.15	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}
cpl	376.00	J/mol×K	298.15	NIST Webbook
cpl	386.31	J/mol×K	318.15	Thermodynamic Properties of dodecane + 1-butanol and + 2-butanol systems
cpl	376.46	J/mol×K	298.15	NIST Webbook
cpl	376.00	J/mol×K	298.15	NIST Webbook
cpl	376.09	J/mol×K	298.15	NIST Webbook

cpl	376.00	J/mol×K	298.15	NIST Webbook
cpl	372.12	J/mol×K	298.15	NIST Webbook
cpl	373.30	J/mol×K	298.15	NIST Webbook
cpl	376.91	J/mol×K	298.15	NIST Webbook
cpl	373.30	J/mol×K	298.15	NIST Webbook
cpl	385.48	J/mol×K	318.15	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}
cpl	375.26	J/mol×K	298.15	NIST Webbook
cpl	375.30	J/mol×K	298.15	NIST Webbook
cpl	374.93	J/mol×K	298.15	NIST Webbook
cpl	374.50	J/mol×K	298.00	NIST Webbook
cpl	374.82	J/mol×K	298.15	NIST Webbook
cpl	370.72	J/mol×K	298.15	NIST Webbook
cpl	375.93	J/mol×K	298.15	NIST Webbook
cpl	371.10	J/mol×K	297.70	NIST Webbook
cpl	388.29	J/mol×K	323.15	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}
cpl	382.73	J/mol×K	313.15	Heat Capacities, Densities, and Speeds of Sound for {(1,5-Dichloropentane or 1,6-Dichlorohexane) + Dodecane}
cpl	371.38	J/mol×K	288.15	Thermodynamic Properties of dodecane + 1-butanol and + 2-butanol systems
cpl	375.94	J/mol×K	298.15	Thermodynamic Properties of dodecane + 1-butanol and + 2-butanol systems
cpl	380.92	J/mol×K	308.15	Thermodynamic Properties of dodecane + 1-butanol and + 2-butanol systems
cpl	375.37	J/mol×K	298.15	NIST Webbook

dvisc	0.0013270	Pa×s	298.15	Dynamic viscosities of 2-butanol with alkanes (C8, C10, and C12) at several temperatures
dvisc	0.0001375	Pa×s	553.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0001297	Pa×s	563.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0001126	Pa×s	583.30	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0001031	Pa×s	593.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0000974	Pa×s	603.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0000913	Pa×s	613.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa

dvisc	0.0000839	Pa×s	623.10	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0000767	Pa×s	633.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0001489	Pa×s	543.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0001608	Pa×s	533.10	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0001722	Pa×s	523.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0001846	Pa×s	513.10	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0001964	Pa×s	503.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa

dvisc	0.0002076	Pa×s	493.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0002250	Pa×s	483.10	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0011221	Pa×s	313.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0000694	Pa×s	643.10	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0000657	Pa×s	653.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0000605	Pa×s	663.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0000551	Pa×s	673.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa

dvisc	0.0000551	Pa×s	673.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0009225	Pa×s	323.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering
dvisc	0.0006763	Pa×s	348.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering
dvisc	0.0005070	Pa×s	373.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering
dvisc	0.0004003	Pa×s	398.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering
dvisc	0.0003223	Pa×s	423.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering

dvisc	0.0002595	Pa×s	448.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering
dvisc	0.0002156	Pa×s	473.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering
dvisc	0.0001821	Pa×s	498.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering
dvisc	0.0001201	Pa×s	573.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0002250	Pa×s	483.10	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0002440	Pa×s	473.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa

dvisc	0.0009700	Pa×s	323.00	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0002604	Pa×s	463.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0002822	Pa×s	453.10	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0002974	Pa×s	443.40	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0003277	Pa×s	433.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0003508	Pa×s	423.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0004112	Pa×s	403.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa

dvisc	0.0004472	Pa×s	393.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0004902	Pa×s	383.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0011250	Pa×s	308.15	Densities and Viscosities of Binary Mixtures of Tributyl Phosphate with Hexane and Dodecane from (298.15 to 328.15) K
dvisc	0.0005467	Pa×s	373.30	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0006075	Pa×s	363.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0006736	Pa×s	353.30	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0008430	Pa×s	328.15	Densities and Viscosities of Binary Mixtures of Tributyl Phosphate with Hexane and Dodecane from (298.15 to 328.15) K

dvisc	0.0008980	Pa×s	323.15	Densities and Viscosities of Binary Mixtures of Tributyl Phosphate with Hexane and Dodecane from (298.15 to 328.15) K
dvisc	0.0009650	Pa×s	318.15	Densities and Viscosities of Binary Mixtures of Tributyl Phosphate with Hexane and Dodecane from (298.15 to 328.15) K
dvisc	0.0010390	Pa×s	313.15	Densities and Viscosities of Binary Mixtures of Tributyl Phosphate with Hexane and Dodecane from (298.15 to 328.15) K
dvisc	0.0007442	Pa×s	343.30	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0008519	Pa×s	333.10	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa
dvisc	0.0012210	Pa×s	303.15	Densities and Viscosities of Binary Mixtures of Tributyl Phosphate with Hexane and Dodecane from (298.15 to 328.15) K
dvisc	0.0013360	Pa×s	298.15	Densities and Viscosities of Binary Mixtures of Tributyl Phosphate with Hexane and Dodecane from (298.15 to 328.15) K

dvisc	0.0012190	Pa×s	303.15	Dynamic Viscosities of 2-Pentanol with Alkanes (Octane, Decane, and Dodecane) at Three Temperatures T) (293.15, 298.15, and 303.15) K. New UNIFAC-VISCO Interaction Parameters
dvisc	0.0013270	Pa×s	298.15	Dynamic Viscosities of 2-Pentanol with Alkanes (Octane, Decane, and Dodecane) at Three Temperatures T) (293.15, 298.15, and 303.15) K. New UNIFAC-VISCO Interaction Parameters
dvisc	0.0014540	Pa×s	293.15	Dynamic Viscosities of 2-Pentanol with Alkanes (Octane, Decane, and Dodecane) at Three Temperatures T) (293.15, 298.15, and 303.15) K. New UNIFAC-VISCO Interaction Parameters
dvisc	0.0001051	Pa×s	573.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering
dvisc	0.0001277	Pa×s	548.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering

dvisc	0.0014540	Pa×s	293.15	Dynamic viscosities of 2-butanol with alkanes (C8, C10, and C12) at several temperatures	
dvisc	0.0012190	Pa×s	303.15	Dynamic viscosities of 2-butanol with alkanes (C8, C10, and C12) at several temperatures	
dvisc	0.0015800	Pa×s	288.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	
dvisc	0.0014700	Pa×s	293.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	
dvisc	0.0013500	Pa×s	298.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	
dvisc	0.0012400	Pa×s	303.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	
dvisc	0.0011400	Pa×s	308.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	
dvisc	0.0010600	Pa×s	313.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	
dvisc	0.0009900	Pa×s	318.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	

dvisc	0.0009300	Pa×s	323.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	
dvisc	0.0008700	Pa×s	328.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	
dvisc	0.0008200	Pa×s	333.15	Physical properties of phosphonium ionic liquid and its mixtures with dodecane and water	
dvisc	0.0013335	Pa×s	303.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa	
dvisc	0.0001532	Pa×s	523.15	Liquid Viscosity and Surface Tension of n-Dodecane, n-Octacosane, Their Mixtures, and a Wax between 323 and 573 K by Surface Light Scattering	
dvisc	0.0003785	Pa×s	413.20	Viscosity Measurement of Endothermic Fuels at Temperatures from 303 K to 673 K and Pressures up to 5.00 MPa	
hfust	36.58	kJ/mol	263.50	NIST Webbook	
hfust	36.82	kJ/mol	263.60	NIST Webbook	
hfust	35.70	kJ/mol	263.10	NIST Webbook	
hfust	36.84	kJ/mol	263.59	NIST Webbook	
hfust	36.82	kJ/mol	263.60	NIST Webbook	
hsubt	101.70	kJ/mol	263.00	NIST Webbook	
hvapt	65.70	kJ/mol	317.00	NIST Webbook	
hvapt	61.80	kJ/mol	339.00	NIST Webbook	
hvapt	61.40	kJ/mol	299.00	NIST Webbook	
hvapt	43.64	kJ/mol	488.60	KDB	

hvapt	51.60	kJ/mol	446.00	NIST Webbook
hvapt	61.10	kJ/mol	343.50	NIST Webbook
hvapt	57.40	kJ/mol	344.00	NIST Webbook
hvapt	58.10	kJ/mol	334.00	NIST Webbook
pvap	0.98	kPa	364.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	43.58	kPa	456.87	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems
pvap	46.71	kPa	459.31	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems
pvap	31.00	kPa	444.86	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene
pvap	42.70	kPa	455.87	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene
pvap	50.80	kPa	462.05	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene
pvap	62.30	kPa	469.67	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene

pvap	70.20	kPa	474.19	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene	
pvap	81.00	kPa	479.82	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene	
pvap	90.80	kPa	484.34	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene	
pvap	100.60	kPa	488.50	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene	
pvap	0.36	kPa	342.18	P-x data for binary systems using a novel static total pressure apparatus	
pvap	0.75	kPa	352.68	P-x data for binary systems using a novel static total pressure apparatus	
pvap	4.21e-03	kPa	284.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis	
pvap	6.46e-03	kPa	289.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis	
pvap	9.78e-03	kPa	294.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis	

pvap	0.01	kPa	299.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis	
pvap	40.08	kPa	453.92	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems	
pvap	40.00	kPa	453.92	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems	
pvap	0.06	kPa	313.15	Vapor-Liquid Equilibria of Binary Mixtures Containing 1-Butanol and Hydrocarbons at 313.15 K	
pvap	0.06	kPa	313.15	Vapor Liquid Equilibria of Binary Mixtures Containing 2-Butanol and Hydrocarbons at 313.15 K	
pvap	0.20	kPa	323.15	Isothermal Phase Equilibria and Excess Molar Enthalpies for Binary Systems with Dimethyl Ether at 323.15 K	
pvap	0.02	kPa	304.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis	

pvap	0.03	kPa	309.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	0.04	kPa	314.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	0.06	kPa	319.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	0.09	kPa	324.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	137.00	kPa	489.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	0.12	kPa	329.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	0.17	kPa	334.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	49.93	kPa	461.72	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems

pvap	0.23	kPa	339.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	241.00	kPa	509.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	0.32	kPa	344.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	0.42	kPa	349.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	0.56	kPa	354.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	55.35	kPa	465.47	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems
pvap	58.41	kPa	467.52	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems

pvap	63.63	kPa	470.69	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems
pvap	69.97	kPa	474.33	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems
pvap	77.75	kPa	478.47	Low-Pressure VLE Measurements and Thermodynamic Modeling, with PSRK and NRTL, of Binary 1-Alcohol + n-Alkane Systems
pvap	4.90	kPa	393.15	Bubble Pressure Measurement and Prediction for n-Hexadecane and n-Eicosane + Cyclohexane, Methylcyclohexane, and Ethylcyclohexane Binary Mixtures from 303.15 to 393.15 K
pvap	3.20	kPa	383.15	Bubble Pressure Measurement and Prediction for n-Hexadecane and n-Eicosane + Cyclohexane, Methylcyclohexane, and Ethylcyclohexane Binary Mixtures from 303.15 to 393.15 K

pvap	2.00	kPa	373.15	Bubble Pressure Measurement and Prediction for n-Hexadecane and n-Eicosane + Cyclohexane, Methylcyclohexane, and Ethylcyclohexane Binary Mixtures from 303.15 to 393.15 K
pvap	1.20	kPa	363.15	Bubble Pressure Measurement and Prediction for n-Hexadecane and n-Eicosane + Cyclohexane, Methylcyclohexane, and Ethylcyclohexane Binary Mixtures from 303.15 to 393.15 K
pvap	0.70	kPa	353.15	Bubble Pressure Measurement and Prediction for n-Hexadecane and n-Eicosane + Cyclohexane, Methylcyclohexane, and Ethylcyclohexane Binary Mixtures from 303.15 to 393.15 K
pvap	0.40	kPa	343.15	Bubble Pressure Measurement and Prediction for n-Hexadecane and n-Eicosane + Cyclohexane, Methylcyclohexane, and Ethylcyclohexane Binary Mixtures from 303.15 to 393.15 K
pvap	18.30	kPa	429.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	210.00	kPa	504.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis

pvap	183.00	kPa	499.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	158.00	kPa	494.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	118.00	kPa	484.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	101.00	kPa	479.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	86.80	kPa	474.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	74.10	kPa	469.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	63.00	kPa	464.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	53.40	kPa	459.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	45.10	kPa	454.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis

pvap	38.00	kPa	449.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	31.80	kPa	444.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	26.60	kPa	439.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	22.10	kPa	434.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	0.75	kPa	359.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	15.10	kPa	424.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	12.40	kPa	419.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis
pvap	10.10	kPa	414.15	Determination of vapor pressure and thermal decomposition using thermogravimetrical analysis

pvap	8.19	kPa	409.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	6.62	kPa	404.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	5.32	kPa	399.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	4.25	kPa	394.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	3.38	kPa	389.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	2.67	kPa	384.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	2.10	kPa	379.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	1.27	kPa	369.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
pvap	20.90	kPa	432.23	Isobaric vapor-liquid equilibrium for binary systems containing benzothiophene

pvap	1.64	kPa	374.15	Determination of vapor pressure and thermal decomposition using thermogravimetical analysis
rfi	1.42218		293.15	Thermodynamic modeling and experimental speeds of sound, densities, and refractive indexes of (tetralin + n-dodecane)
rfi	1.42210		293.10	Extraction of Butylbenzene from Dodecane Using Hexafluorophosphate-Based Ionic Liquids: Effect of Cation Change
rfi	1.41920		293.15	Isothermal Vapor Liquid Equilibrium Data for the Propan-1-ol + Dodecane System at (323.0, 343.4, 353.2, 363.1, and 369.2) K
rfi	1.42155		293.15	Liquid Liquid Equilibria of Methanol, Ethanol, and Propan-2-ol with Water and Dodecane
rfi	1.41960		298.20	Liquid-Liquid Equilibria for {1-Ethyl-3-methylimidazolium Diethylphosphate or 1-Ethyl-3-methylimidazolium Ethylsulfate} + 4,6-Dimethyldibenzothiophene + Dodecane Systems at 298.2 K and 313.2 K

rfi	1.42100	293.15	Activity Coefficients at Infinite Dilution and Excess Molar Volumes in Binary Mixtures Containing Normal Alkanes (Nonane, Decane, Undecane, or Dodecane) and Cresols (2-Methylphenol or 3-Methylphenol)
rfi	1.42750	298.15	Liquid-Liquid Equilibria for Mixtures of (Furfural + a Chlorinated Aromatic Compound + an Alkane) at T = 298.15 K
rfi	1.42750	298.15	Liquid-liquid equilibria for mixtures of (Furfural + an Aromatic hydrocarbon + an alkane) at T=298.15 K
rfi	1.41970	298.15	Measurement and Prediction of Excess Properties of Binary Mixtures Methyl Decanoate + an Even-Numbered n-Alkane (C6-C16) at 298.15 K
rfi	1.42180	293.15	Experimental solubility for betulin and estrone in various solvents within the temperature range T = (293.2 to 328.2) K
rfi	1.40018	343.15	Thermodynamic modeling and experimental speeds of sound, densities, and refractive indexes of (tetralin + n-dodecane)

rfi	1.40479	333.15	Thermodynamic modeling and experimental speeds of sound, densities, and refractive indexes of (tetralin + n-dodecane)
rfi	1.40914	323.15	Thermodynamic modeling and experimental speeds of sound, densities, and refractive indexes of (tetralin + n-dodecane)
rfi	1.41346	313.15	Thermodynamic modeling and experimental speeds of sound, densities, and refractive indexes of (tetralin + n-dodecane)
rfi	1.41784	303.15	Thermodynamic modeling and experimental speeds of sound, densities, and refractive indexes of (tetralin + n-dodecane)
rfi	1.42180	293.15	Vapor Liquid Equilibrium Data for Binary Systems of n-Dodecane + {Propan-1-ol, Butan-1-ol, 2-Methylpropan-1-ol} at 40 kPa
rfi	1.42200	293.10	Evaluation of [bmim][PF6] as an ionic solvent for the extraction of propylbenzene from aliphatic compounds
rfi	1.41920	298.15	Correlation and prediction of mixing thermodynamic properties of ester-containing systems: Ester + alkane and ester + ester binary systems and the ternary dodecane + ethyl pentanoate + ethyl ethanoate

rfi	1.42200	293.10	Extraction of propylbenzene or butylbenzene from dodecane using 4-methyl-N-butylpyridinium tetrafluoroborate, [mebupy][BF ₄], as an ionic liquid at different temperatures
rfi	1.41970	298.15	Thermodynamic and acoustic properties of (heptane + dodecane) mixtures under elevated pressures
rfi	1.42011	298.15	(Liquid + liquid) equilibria of [C8mim][NTf ₂] ionic liquid with a sulfur-component and hydrocarbons
rfi	1.41400	308.15	Excess properties of the binary mixtures of methylcyclohexane + alkanes (C ₆ to C ₁₂) at T = 298.15 K to T = 308.15 K
rfi	1.41640	303.15	Excess properties of the binary mixtures of methylcyclohexane + alkanes (C ₆ to C ₁₂) at T = 298.15 K to T = 308.15 K
rfi	1.41860	298.15	Excess properties of the binary mixtures of methylcyclohexane + alkanes (C ₆ to C ₁₂) at T = 298.15 K to T = 308.15 K
rfi	1.41350	303.15	Physical properties of {anisole + n-alkanes} at temperatures between (293.15 and 303.15) K

rfi	1.41720	298.15	Physical properties of {anisole + n-alkanes} at temperatures between (293.15 and 303.15) K
rfi	1.42100	293.15	Physical properties of {anisole + n-alkanes} at temperatures between (293.15 and 303.15) K
rfi	1.41810	303.15	Liquid liquid equilibria measurements of ternary systems (acetonitrile + a carboxylic acid + dodecane) at 303.15 K
rfi	1.42011	298.15	Thiophene separation from aliphatic hydrocarbons using the 1-ethyl-3-methylimidazolium ethylsulfate ionic liquid
rfi	1.42200	293.10	Phase equilibria for the extraction of sec-butylbenzene from dodecane with N,N-dimethylformamide
rfi	1.42200	293.10	Liquid liquid equilibria for n-alkanes (C12, C14, C17) + propylbenzene +NMP mixtures at temperatures between 298 and 328K
rfi	1.41960	298.15	Liquid Liquid Equilibrium in N-Methyl-2-hydroxyethylammonium Acetate, Butanoate, or Hexanoate Ionic Liquids + Dibenzothiophene + n-Dodecane Systems at 298.2 K and Atmospheric Pressure

rfi	1.41310		313.20	Liquid-Liquid Equilibria for {1-Ethyl-3-methylimidazolium Diethylphosphate or 1-Ethyl-3-methylimidazolium Ethylsulfate} + 4,6-Dimethyldibenzothiophene + Dodecane Systems at 298.2 K and 313.2 K
rhoI	719.59	kg/m3	333.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Selected Ternary Mixtures of n-Butylcyclohexane + a Linear Alkane (n-Hexadecane or n-Dodecane) + an Aromatic Compound (Toluene, n-Butylbenzene, or n-Hexylbenzene)
rhoI	745.28	kg/m3	298.15	Excess Molar Enthalpies of Binary Systems of 2-Octanone or 3-Octanone with Dodecane, Tetradecane, or Hexadecane at 298.15 K
rhoI	745.21	kg/m3	298.15	Binary Liquid Liquid Equilibria of ?-Valerolactone with Some Hydrocarbons
rhoI	745.52	kg/m3	298.15	Thermodynamics of Mixtures Containing Amines. XV. Liquid Liquid Equilibria for Benzylamine + CH ₃ (CH ₂) _n CH ₃ (n = 8, 9, 10, 12, 14)

rhoI	689.60	kg/m3	373.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of n-Dodecane with 2,2,4,6,6-Pentamethylheptane or 2,2,4,4,6,8,8-Heptamethylnonane
rhoI	697.10	kg/m3	363.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of n-Dodecane with 2,2,4,6,6-Pentamethylheptane or 2,2,4,4,6,8,8-Heptamethylnonane
rhoI	704.70	kg/m3	353.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of n-Dodecane with 2,2,4,6,6-Pentamethylheptane or 2,2,4,4,6,8,8-Heptamethylnonane
rhoI	712.20	kg/m3	343.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of n-Dodecane with 2,2,4,6,6-Pentamethylheptane or 2,2,4,4,6,8,8-Heptamethylnonane
rhoI	719.69	kg/m3	333.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of n-Dodecane with 2,2,4,6,6-Pentamethylheptane or 2,2,4,4,6,8,8-Heptamethylnonane

rhoI	727.04	kg/m3	323.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of n-Dodecane with 2,2,4,6,6-Pentamethylheptane or 2,2,4,4,6,8,8-Heptamethylnonane
rhoI	734.35	kg/m3	313.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of n-Dodecane with 2,2,4,6,6-Pentamethylheptane or 2,2,4,4,6,8,8-Heptamethylnonane
rhoI	741.63	kg/m3	303.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of n-Dodecane with 2,2,4,6,6-Pentamethylheptane or 2,2,4,4,6,8,8-Heptamethylnonane
rhoI	748.89	kg/m3	293.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of n-Dodecane with 2,2,4,6,6-Pentamethylheptane or 2,2,4,4,6,8,8-Heptamethylnonane
rhoI	734.48	kg/m3	313.15	Excess Molar Volumes and Viscosities of Binary Systems of Butylcyclohexane with n-Alkanes (C7 to C14) at T = 293.15 K to 313.15 K

rhoI	738.12	kg/m3	308.15	Excess Molar Volumes and Viscosities of Binary Systems of Butylcyclohexane with n-Alkanes (C7 to C14) at T = 293.15 K to 313.15 K
rhoI	741.75	kg/m3	303.15	Excess Molar Volumes and Viscosities of Binary Systems of Butylcyclohexane with n-Alkanes (C7 to C14) at T = 293.15 K to 313.15 K
rhoI	745.38	kg/m3	298.15	Excess Molar Volumes and Viscosities of Binary Systems of Butylcyclohexane with n-Alkanes (C7 to C14) at T = 293.15 K to 313.15 K
rhoI	749.00	kg/m3	293.15	Excess Molar Volumes and Viscosities of Binary Systems of Butylcyclohexane with n-Alkanes (C7 to C14) at T = 293.15 K to 313.15 K
rhoI	745.82	kg/m3	298.15	Solid Liquid Equilibria, Excess Molar Volumes, and Deviations in the Molar Refractivity for the Binary Systems of Alamine 304-1 + Decane, Dodecane, or Dodecanol
rhoI	741.54	kg/m3	298.15	Thermodynamics of Mixtures Containing a Very Strongly Polar Compound. 10. Liquid Liquid Equilibria for N,N-Dimethylacetamide + Selected Alkanes

rhoI	741.54	kg/m3	298.15	Thermodynamics of Mixtures Containing Aromatic Alcohols. 1. Liquid Liquid Equilibria for (Phenylmethanol + Alkane) Systems
rhoI	734.33	kg/m3	313.20	Apparent and Partial Molar Volumes at Infinite Dilution and Solid Liquid Equilibria of Dibenzothiophene + Alkane Systems
rhoI	745.15	kg/m3	298.20	Apparent and Partial Molar Volumes at Infinite Dilution and Solid Liquid Equilibria of Dibenzothiophene + Alkane Systems
rhoI	745.41	kg/m3	298.15	Mutual Solubilities of Terpene in Methanol and Water and Their Multicomponent Liquid-Liquid Equilibria
rhoI	745.32	kg/m3	298.15	Excess Enthalpies of Binary Mixtures of 1-Hexene with Some n-Alkanes at 298.15 K
rhoI	746.60	kg/m3	298.20	Ternary Liquid-Liquid Equilibria for Mixtures of 1-Methyl-3-octylimidazolium Chloride + an Alkanol + an Alkane at 298.2 K and 1 bar

rhoI	719.59	kg/m3	333.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Quaternary Mixtures of n-Dodecane (1), n-Butylcyclohexane (2), n-Butylbenzene (3), and 2,2,4,4,6,8,8-Heptamethylnonane (4) at 0.1 MPa as Potential Surrogate Mixtures for Military Jet Fuel, JP-5
rhoI	726.94	kg/m3	323.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Quaternary Mixtures of n-Dodecane (1), n-Butylcyclohexane (2), n-Butylbenzene (3), and 2,2,4,4,6,8,8-Heptamethylnonane (4) at 0.1 MPa as Potential Surrogate Mixtures for Military Jet Fuel, JP-5
rhoI	734.25	kg/m3	313.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Quaternary Mixtures of n-Dodecane (1), n-Butylcyclohexane (2), n-Butylbenzene (3), and 2,2,4,4,6,8,8-Heptamethylnonane (4) at 0.1 MPa as Potential Surrogate Mixtures for Military Jet Fuel, JP-5

rhoI	741.53	kg/m3	303.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Quaternary Mixtures of n-Dodecane (1), n-Butylcyclohexane (2), n-Butylbenzene (3), and 2,2,4,4,6,8,8-Heptamethylnonane (4) at 0.1 MPa as Potential Surrogate Mixtures for Military Jet Fuel, JP-5
rhoI	745.16	kg/m3	298.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Quaternary Mixtures of n-Dodecane (1), n-Butylcyclohexane (2), n-Butylbenzene (3), and 2,2,4,4,6,8,8-Heptamethylnonane (4) at 0.1 MPa as Potential Surrogate Mixtures for Military Jet Fuel, JP-5
rhoI	748.79	kg/m3	293.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Quaternary Mixtures of n-Dodecane (1), n-Butylcyclohexane (2), n-Butylbenzene (3), and 2,2,4,4,6,8,8-Heptamethylnonane (4) at 0.1 MPa as Potential Surrogate Mixtures for Military Jet Fuel, JP-5

rhoI	752.41	kg/m3	288.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Quaternary Mixtures of n-Dodecane (1), n-Butylcyclohexane (2), n-Butylbenzene (3), and 2,2,4,4,6,8,8-Heptamethylnonane (4) at 0.1 MPa as Potential Surrogate Mixtures for Military Jet Fuel, JP-5
rhoI	734.19	kg/m3	313.15	Thermophysical Properties of Binary Mixtures of n-Dodecane with n-Alkylcyclohexanes: Experimental Measurements and Molecular Dynamics Simulations
rhoI	719.53	kg/m3	333.15	Thermophysical Properties of Binary Mixtures of n-Dodecane with n-Alkylcyclohexanes: Experimental Measurements and Molecular Dynamics Simulations
rhoI	726.88	kg/m3	323.15	Thermophysical Properties of Binary Mixtures of n-Dodecane with n-Alkylcyclohexanes: Experimental Measurements and Molecular Dynamics Simulations
rhoI	734.18	kg/m3	313.15	Thermophysical Properties of Binary Mixtures of n-Dodecane with n-Alkylcyclohexanes: Experimental Measurements and Molecular Dynamics Simulations

rhoI	741.46	kg/m3	303.15	Thermophysical Properties of Binary Mixtures of n-Dodecane with n-Alkylcyclohexanes: Experimental Measurements and Molecular Dynamics Simulations
rhoI	745.09	kg/m3	298.15	Thermophysical Properties of Binary Mixtures of n-Dodecane with n-Alkylcyclohexanes: Experimental Measurements and Molecular Dynamics Simulations
rhoI	748.72	kg/m3	293.15	Thermophysical Properties of Binary Mixtures of n-Dodecane with n-Alkylcyclohexanes: Experimental Measurements and Molecular Dynamics Simulations
rhoI	752.35	kg/m3	288.15	Thermophysical Properties of Binary Mixtures of n-Dodecane with n-Alkylcyclohexanes: Experimental Measurements and Molecular Dynamics Simulations
rhoI	719.65	kg/m3	333.15	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K
rhoI	723.33	kg/m3	328.15	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K

rho1	727.00	kg/m3	323.15	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K
rho1	730.66	kg/m3	318.15	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K
rho1	734.31	kg/m3	313.15	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K
rho1	737.95	kg/m3	308.15	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K
rho1	741.59	kg/m3	303.15	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K
rho1	745.22	kg/m3	298.15	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K

rhoI	748.83	kg/m3	293.15	Densities and Viscosities of Ternary System n-Dodecane (1) + Bicyclohexyl (2) + n-Butanol (3) and Corresponding Binaries at T = (293.15 to 333.15) K
rhoI	719.53	kg/m3	333.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Binary Mixtures of Ethylcyclohexane or Methylcyclohexane with n-Dodecane or n-Hexadecane at 0.1 MPa
rhoI	726.88	kg/m3	323.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Binary Mixtures of Ethylcyclohexane or Methylcyclohexane with n-Dodecane or n-Hexadecane at 0.1 MPa
rhoI	734.87	kg/m3	313.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Binary Mixtures of Ethylcyclohexane or Methylcyclohexane with n-Dodecane or n-Hexadecane at 0.1 MPa

rhoI	741.77	kg/m3	303.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Binary Mixtures of Ethylcyclohexane or Methylcyclohexane with n-Dodecane or n-Hexadecane at 0.1 MPa
rhoI	745.11	kg/m3	298.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Binary Mixtures of Ethylcyclohexane or Methylcyclohexane with n-Dodecane or n-Hexadecane at 0.1 MPa
rhoI	748.73	kg/m3	293.15	Densities, Viscosities, Speeds of Sound, Bulk Moduli, Surface Tensions, and Flash Points of Binary Mixtures of Ethylcyclohexane or Methylcyclohexane with n-Dodecane or n-Hexadecane at 0.1 MPa
rhoI	745.51	kg/m3	298.15	Liquid-Liquid Equilibria for 2-Phenylethan-1-ol + Alkane Systems

rhoI	712.20	kg/m3	343.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Selected Ternary Mixtures of n-Butylcyclohexane + a Linear Alkane (n-Hexadecane or n-Dodecane) + an Aromatic Compound (Toluene, n-Butylbenzene, or n-Hexylbenzene)
rhoI	748.00	kg/m3	293.00	KDB
rhoI	741.54	kg/m3	298.15	Thermodynamics of mixtures containing amines VI. Liquid liquid equilibria for mixtures of o-toluidine + selected alkanes
rhoI	745.52	kg/m3	298.15	Liquid-liquid equilibria for aqueous sulfuric acid solutions with undecane, dodecane, or 1-dodecanol, trioctylamine or tributyl phosphate and excess and deviation properties for sub-binary systems at 298.15 K
rhoI	741.54	kg/m3	298.15	Liquid-liquid equilibria for benzaldehyde + n-alkane mixtures and characterization of benzaldehyde + hydrocarbon systems in terms of DISQUAC
rhoI	712.10	kg/m3	344.15	High-pressure densities and interfacial tensions of binary systems containing carbon dioxide + n-alkanes: (n-Dodecane, n-tridecane, n-tetradecane)

rhoI	741.52	kg/m3	298.15	Liquid liquid equilibria for acetophenone + n-alkane mixtures and characterization of acetophenone systems using DISQUAC
rhoI	745.28	kg/m3	298.15	Study of the suitability of two ammonium-based ionic liquids for the extraction of benzene from its mixtures with aliphatic hydrocarbons.
rhoI	745.52	kg/m3	298.15	Thermodynamics of aromatic polar compound (alkanone, alkanal or alkanoate) + hydrocarbon mixtures
rhoI	752.44	kg/m3	288.15	Permittivity and density of binary systems of {dimethyl or diethyl carbonate} + n-dodecane from T=(288.15 to 328.15) K
rhoI	748.80	kg/m3	293.15	Permittivity and density of binary systems of {dimethyl or diethyl carbonate} + n-dodecane from T=(288.15 to 328.15) K
rhoI	745.19	kg/m3	298.15	Permittivity and density of binary systems of {dimethyl or diethyl carbonate} + n-dodecane from T=(288.15 to 328.15) K
rhoI	741.57	kg/m3	303.15	Permittivity and density of binary systems of {dimethyl or diethyl carbonate} + n-dodecane from T=(288.15 to 328.15) K

rhoI	737.93	kg/m3	308.15	Permittivity and density of binary systems of {dimethyl or diethyl carbonate} + n-dodecane from T=(288.15 to 328.15) K
rhoI	730.70	kg/m3	318.15	Permittivity and density of binary systems of {dimethyl or diethyl carbonate} + n-dodecane from T=(288.15 to 328.15) K
rhoI	723.32	kg/m3	328.15	Permittivity and density of binary systems of {dimethyl or diethyl carbonate} + n-dodecane from T=(288.15 to 328.15) K
rhoI	747.00	kg/m3	298.15	Ternary (liquid + liquid) equilibria for mixtures of 1-hexyl-3-methylimidazolium (tetrafluoroborate or hexafluorophosphate) + benzene + an alkane at T = 298.2 K and p = 0.1 MPa
rhoI	745.38	kg/m3	298.15	Excess molar enthalpies of the ternary mixtures: methyl tert-butyl ether + 2-methylpentane + (n-decane or n-dodecane) at the temperature 298.15 K
rhoI	745.38	kg/m3	298.15	Excess molar enthalpies of the ternary mixtures: {tetrahydrofuran or 2-methyltetrahydrofuran + methyl tert-butyl ether + n-dodecane} at the temperature 298.15 K

rhoI	745.32	kg/m ³	298.15	Solvent extraction of thiophene from n-alkanes (C7, C12, and C16) using the ionic liquid [C8mim][BF ₄]
rhoI	745.28	kg/m ³	298.15	Excess molar enthalpies of binary mixtures containing 2-decanone or dipentyl ether with long-chain n-alkanes at T = 298.15 K
rhoI	745.27	kg/m ³	298.15	Water/oil/[P6,6,6,14][NTf ₂] phase equilibria
rhoI	745.20	kg/m ³	298.15	(Liquid + liquid) equilibria for mixtures of dodecane and ethanol with alkylsulfate-based ionic liquids
rhoI	745.62	kg/m ³	298.15	Thermodynamics of mixing for binary mixtures of 1-octanol and 1-decanol with n-dodecane and ternary mixture of (TBP + 1-octanol + dodecane) at T = (298.15 to 323.15) K
rhoI	741.98	kg/m ³	303.15	Thermodynamics of mixing for binary mixtures of 1-octanol and 1-decanol with n-dodecane and ternary mixture of (TBP + 1-octanol + dodecane) at T = (298.15 to 323.15) K
rhoI	738.34	kg/m ³	308.15	Thermodynamics of mixing for binary mixtures of 1-octanol and 1-decanol with n-dodecane and ternary mixture of (TBP + 1-octanol + dodecane) at T = (298.15 to 323.15) K

rhoI	734.69	kg/m3	313.15	Thermodynamics of mixing for binary mixtures of 1-octanol and 1-decanol with n-dodecane and ternary mixture of (TBP + 1-octanol + dodecane) at T = (298.15 to 323.15) K
rhoI	731.03	kg/m3	318.15	Thermodynamics of mixing for binary mixtures of 1-octanol and 1-decanol with n-dodecane and ternary mixture of (TBP + 1-octanol + dodecane) at T = (298.15 to 323.15) K
rhoI	727.37	kg/m3	323.15	Thermodynamics of mixing for binary mixtures of 1-octanol and 1-decanol with n-dodecane and ternary mixture of (TBP + 1-octanol + dodecane) at T = (298.15 to 323.15) K
rhoI	748.81	kg/m3	293.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	741.42	kg/m3	303.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	734.08	kg/m3	313.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	726.74	kg/m3	323.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	719.38	kg/m3	333.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	711.32	kg/m3	343.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	704.62	kg/m3	353.15	Thermophysical properties of fatty acid methyl and ethyl esters

rhoI	697.21	kg/m3	363.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	689.75	kg/m3	373.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	682.25	kg/m3	383.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	674.68	kg/m3	393.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	667.04	kg/m3	403.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	659.32	kg/m3	413.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	651.53	kg/m3	423.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	643.60	kg/m3	433.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	635.55	kg/m3	443.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	627.38	kg/m3	453.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	619.09	kg/m3	463.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	610.60	kg/m3	473.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	745.38	kg/m3	298.15	Excess molar enthalpies of the ternary mixtures: methyl tert-butyl ether + 3-methylpentane + (n-decane or n-dodecane) at 298.15K

rhoI	745.51	kg/m3	298.15	Liquid Liquid Equilibria for Systems Containing 4-Phenylbutan-2-one or Benzyl Ethanoate and Selected Alkanes
rhoI	748.83	kg/m3	293.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K
rhoI	745.23	kg/m3	298.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K
rhoI	741.60	kg/m3	303.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K
rhoI	737.97	kg/m3	308.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K

rho1	734.33	kg/m3	313.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K
rho1	730.68	kg/m3	318.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K
rho1	727.01	kg/m3	323.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K
rho1	723.35	kg/m3	328.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K
rho1	719.67	kg/m3	333.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K

rhoI	715.98	kg/m3	338.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K
rhoI	712.28	kg/m3	343.15	Densities and Viscosities for the Ternary System of Cyclopropanemethanol (1) + n-Dodecane (2) + Butylcyclohexane (3) and Corresponding Binaries at T = 293.15 343.15 K
rhoI	748.79	kg/m3	293.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Selected Ternary Mixtures of n-Butylcyclohexane + a Linear Alkane (n-Hexadecane or n-Dodecane) + an Aromatic Compound (Toluene, n-Butylbenzene, or n-Hexylbenzene)
rhoI	741.54	kg/m3	303.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Selected Ternary Mixtures of n-Butylcyclohexane + a Linear Alkane (n-Hexadecane or n-Dodecane) + an Aromatic Compound (Toluene, n-Butylbenzene, or n-Hexylbenzene)

rhoI	734.25	kg/m3	313.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Selected Ternary Mixtures of n-Butylcyclohexane + a Linear Alkane (n-Hexadecane or n-Dodecane) + an Aromatic Compound (Toluene, n-Butylbenzene, or n-Hexylbenzene)
rhoI	726.94	kg/m3	323.15	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Selected Ternary Mixtures of n-Butylcyclohexane + a Linear Alkane (n-Hexadecane or n-Dodecane) + an Aromatic Compound (Toluene, n-Butylbenzene, or n-Hexylbenzene)
rhoI	745.28	kg/m3	298.15	Excess Molar Enthalpies of Binary Systems of n-Valeric Anhydride or n-Hexanoic Anhydride with n-Dodecane, n-Tetradecane, or n-Hexadecane at 298.15 K
sdco	0.00	m2/s	288.09	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	364.53	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	352.77	Viscous Calibration Liquids for Self-diffusion Measurements

sdco	0.00	m2/s	352.75	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	348.08	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	337.97	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	337.93	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	333.14	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	328.25	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	328.22	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	328.17	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	323.17	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	318.16	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	318.15	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	308.16	Viscous Calibration Liquids for Self-diffusion Measurements	

sdco	0.00	m2/s	308.15	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	298.21	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	298.20	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	298.15	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	288.52	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	288.49	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	278.72	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	266.50	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	278.56	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	278.52	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	337.99	Viscous Calibration Liquids for Self-diffusion Measurements	
sdco	0.00	m2/s	278.20	Viscous Calibration Liquids for Self-diffusion Measurements	

sdco	0.00	m2/s	268.03	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	264.14	Viscous Calibration Liquids for Self-diffusion Measurements
sdco	0.00	m2/s	364.54	Viscous Calibration Liquids for Self-diffusion Measurements
sfust	138.80	J/mol×K	263.50	NIST Webbook
sfust	139.75	J/mol×K	263.59	NIST Webbook
srf	0.02	N/m	298.15	Surface Tension of Dilute Solutions of Alkanes in Cyclohexanol at Different Temperatures
srf	0.02	N/m	318.15	Surface Tension of Dilute Solutions of Alkanes in Cyclohexanol at Different Temperatures
srf	0.02	N/m	313.15	Surface Tension of Dilute Solutions of Alkanes in Cyclohexanol at Different Temperatures
srf	0.02	N/m	303.15	Surface Tension of Dilute Solutions of Alkanes in Cyclohexanol at Different Temperatures
srf	0.02	N/m	308.15	Surface Tension of Dilute Solutions of Alkanes in Cyclohexanol at Different Temperatures
srf	0.02	N/m	323.15	Surface Tension of Dilute Solutions of Alkanes in Cyclohexanol at Different Temperatures

srf	0.02	N/m	293.15	Surface Tension of Dilute Solutions of Alkanes in Cyclohexanol at Different Temperatures	
srf	0.02	N/m	303.15	Density, Refractive Index, Viscosity, and Surface Tension of Binary Mixtures of exo-Tetrahydrodicyclopentadiene with Some n-Alkanes from (293.15 to 313.15) K	
srf	0.02	N/m	293.15	Density, Refractive Index, Viscosity, and Surface Tension of Binary Mixtures of exo-Tetrahydrodicyclopentadiene with Some n-Alkanes from (293.15 to 313.15) K	
srf	0.03	N/m	294.10	Density, Viscosity, Speed of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Mixtures of Butylbenzene + Linear Alkanes (n-Decane, n-Dodecane, n-Tetradecane, n-Hexadecane, or n-Heptadecane) at 0.1 MPa	
srf	0.02	N/m	303.15	Interfacial tensions of binary mixtures of ethanol with octane, decane, dodecane, and tetradecane	
srf	0.02	N/m	298.15	Interfacial tensions of binary mixtures of ethanol with octane, decane, dodecane, and tetradecane	
srf	0.03	N/m	293.20	KDB	

tcondl	0.13	W/m×K	323.20	Thermal conductivity of heavy, even-carbon number n-alkanes (C22 to C32)	
tcondl	0.13	W/m×K	347.90	Thermal conductivity of heavy, even-carbon number n-alkanes (C22 to C32)	
tcondl	0.13	W/m×K	343.20	Thermal conductivity of heavy, even-carbon number n-alkanes (C22 to C32)	
tcondl	0.13	W/m×K	337.70	Thermal conductivity of heavy, even-carbon number n-alkanes (C22 to C32)	
tcondl	0.13	W/m×K	333.10	Thermal conductivity of heavy, even-carbon number n-alkanes (C22 to C32)	
tcondl	0.14	W/m×K	318.20	Thermal conductivity of heavy, even-carbon number n-alkanes (C22 to C32)	
tcondl	0.13	W/m×K	352.80	Thermal conductivity of heavy, even-carbon number n-alkanes (C22 to C32)	
tcondl	0.13	W/m×K	328.10	Thermal conductivity of heavy, even-carbon number n-alkanes (C22 to C32)	

tdiff	5.83e-08	m2/s	423.73	Thermal and Mutual Diffusivity of Binary Mixtures of n-Dodecane and n-Tetracontane with Carbon Monoxide, Hydrogen, and Water from Dynamic Light Scattering (DLS)
tdiff	4.25e-08	m2/s	523.18	Thermal and Mutual Diffusivity of Binary Mixtures of n-Dodecane and n-Tetracontane with Carbon Monoxide, Hydrogen, and Water from Dynamic Light Scattering (DLS)
tdiff	4.58e-08	m2/s	498.16	Thermal and Mutual Diffusivity of Binary Mixtures of n-Dodecane and n-Tetracontane with Carbon Monoxide, Hydrogen, and Water from Dynamic Light Scattering (DLS)
tdiff	4.87e-08	m2/s	473.10	Thermal and Mutual Diffusivity of Binary Mixtures of n-Dodecane and n-Tetracontane with Carbon Monoxide, Hydrogen, and Water from Dynamic Light Scattering (DLS)
tdiff	5.23e-08	m2/s	448.23	Thermal and Mutual Diffusivity of Binary Mixtures of n-Dodecane and n-Tetracontane with Carbon Monoxide, Hydrogen, and Water from Dynamic Light Scattering (DLS)

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/T + C \cdot \ln(T) + D \cdot T^2$
Coeff. A	1.12723e+02
Coeff. B	-1.12005e+04
Coeff. C	-1.39838e+01
Coeff. D	5.78857e-06
Temperature range (K), min.	263.57
Temperature range (K), max.	658.20

Datasets

Viscosity, Pa*s

Temperature, K - Liquid	Pressure, kPa - Liquid	Viscosity, Pa*s - Liquid
293.15	100.00	0.0014907
293.15	1000.00	0.0015074
293.15	5000.00	0.0015864
293.15	10000.00	0.0016724
293.15	20000.00	0.0018769
293.15	30000.00	0.0020836
293.15	40000.00	0.0023101
293.15	50000.00	0.0025603
293.15	60000.00	0.0028216
293.15	70000.00	0.0031120
293.15	80000.00	0.0034276
293.15	100000.00	0.0041175
293.15	120000.00	0.0049531
293.15	140000.00	0.0058158
313.15	100.00	0.0010641
313.15	1000.00	0.0010744
313.15	5000.00	0.0011244
313.15	10000.00	0.0012006
313.15	20000.00	0.0013242

313.15	30000.00	0.0014755
313.15	40000.00	0.0016251
313.15	50000.00	0.0017785
313.15	60000.00	0.0019457
313.15	70000.00	0.0021286
313.15	80000.00	0.0023197
313.15	100000.00	0.0027576
313.15	120000.00	0.0032313
313.15	140000.00	0.0037547
333.15	100.00	0.0008013
333.15	1000.00	0.0008127
333.15	5000.00	0.0008550
333.15	10000.00	0.0008975
333.15	20000.00	0.0010008
333.15	30000.00	0.0010953
333.15	40000.00	0.0012161
333.15	50000.00	0.0013214
333.15	60000.00	0.0014401
333.15	70000.00	0.0015760
333.15	80000.00	0.0017068
333.15	100000.00	0.0019940
333.15	120000.00	0.0023016
333.15	140000.00	0.0026571
353.15	100.00	0.0006281
353.15	1000.00	0.0006372
353.15	5000.00	0.0006713
353.15	10000.00	0.0007053
353.15	20000.00	0.0007819
353.15	30000.00	0.0008694
353.15	40000.00	0.0009528
353.15	50000.00	0.0010366
353.15	60000.00	0.0011230
353.15	70000.00	0.0012126
353.15	80000.00	0.0013124
353.15	100000.00	0.0015316
353.15	120000.00	0.0017568
353.15	140000.00	0.0020233
373.15	100.00	0.0005055
373.15	1000.00	0.0005149
373.15	5000.00	0.0005392
373.15	10000.00	0.0005743
373.15	20000.00	0.0006286
373.15	30000.00	0.0007003
373.15	40000.00	0.0007715

373.15	50000.00	0.0008425
373.15	60000.00	0.0009100
373.15	70000.00	0.0009844
373.15	80000.00	0.0010656
373.15	100000.00	0.0012199
373.15	120000.00	0.0014019
373.15	140000.00	0.0015880

Reference

<https://www.doi.org/10.1016/j.jct.2015.12.021>

Temperature, K	Pressure, kPa	Viscosity, Pa*s
298.20	6020.00	0.0014611
298.20	8050.00	0.0014968
298.20	10020.00	0.0015329
304.90	6020.00	0.0013482
303.40	8050.00	0.0013650
303.30	10020.00	0.0013937
314.50	5990.00	0.0011351
313.40	8000.00	0.0011623
313.30	10020.00	0.0011836
323.40	6050.00	0.0009748
323.10	8010.00	0.0010068
323.40	10000.00	0.0010208
334.10	6010.00	0.0008555
333.30	8030.00	0.0008787
333.40	10000.00	0.0008918
343.30	5990.00	0.0007562
343.20	8070.00	0.0007787
343.30	10010.00	0.0007900
353.40	6080.00	0.0006746
353.60	8020.00	0.0006919
353.40	9980.00	0.0007030
364.00	6040.00	0.0006028
363.70	8020.00	0.0006209
363.30	10050.00	0.0006332
374.00	6000.00	0.0005462
373.90	8020.00	0.0005622
373.10	10070.00	0.0005743
383.00	6010.00	0.0005011
383.40	8050.00	0.0005137
383.20	10000.00	0.0005230
393.10	6080.00	0.0004584
393.60	8030.00	0.0004694

393.00	10020.00	0.0004798
403.00	6040.00	0.0004213
404.10	8020.00	0.0004304
403.10	10040.00	0.0004407
413.20	6080.00	0.0003885
413.70	7990.00	0.0003987
412.90	10010.00	0.0004076
423.00	6080.00	0.0003581
423.90	8050.00	0.0003686
423.40	10000.00	0.0003765
433.20	6010.00	0.0003334
433.30	8000.00	0.0003405
432.90	10020.00	0.0003504
443.50	6020.00	0.0003092
443.50	8010.00	0.0003152
443.20	10050.00	0.0003257
453.30	6020.00	0.0002855
454.00	8040.00	0.0002936
453.30	9950.00	0.0003036
463.40	6040.00	0.0002664
464.10	8020.00	0.0002738
463.30	10010.00	0.0002839
473.40	6040.00	0.0002510
473.50	8010.00	0.0002525
473.30	10050.00	0.0002657
483.40	6050.00	0.0002305
483.40	8080.00	0.0002405
483.40	10000.00	0.0002489
493.40	6040.00	0.0002160
493.40	8010.00	0.0002247
493.20	10050.00	0.0002338
503.40	6080.00	0.0002005
502.70	7960.00	0.0002075
503.20	10010.00	0.0002197
514.20	6050.00	0.0001860
513.00	8040.00	0.0001945
513.00	10000.00	0.0002070
523.70	5970.00	0.0001737
523.00	8000.00	0.0001822
523.70	10040.00	0.0001949
533.50	6040.00	0.0001638
533.30	8040.00	0.0001736
533.50	10070.00	0.0001825
542.90	6010.00	0.0001526

542.90	8060.00	0.0001603
542.90	9950.00	0.0001682
552.90	6070.00	0.0001419
553.20	8010.00	0.0001506
552.90	10020.00	0.0001580
563.00	6050.00	0.0001337
563.00	8020.00	0.0001414
563.00	10020.00	0.0001509
573.00	6010.00	0.0001240
573.00	8020.00	0.0001347
573.00	10040.00	0.0001437
582.80	6000.00	0.0001159
582.90	7960.00	0.0001265
582.80	10010.00	0.0001320
593.00	6020.00	0.0001104
592.90	8070.00	0.0001200
593.00	10000.00	0.0001263
603.10	6010.00	0.0001048
602.90	8020.00	0.0001128
603.10	10010.00	0.0001186
613.10	6040.00	0.0000969
612.90	8020.00	0.0001058
613.10	10010.00	0.0001116
623.20	6050.00	0.0000908
623.00	7990.00	0.0001003
623.20	10050.00	0.0001056
633.50	6020.00	0.0000848
632.80	8040.00	0.0000933
633.50	10010.00	0.0000992
643.40	6020.00	0.0000789
643.00	8050.00	0.0000878
643.40	10010.00	0.0000943
653.40	6070.00	0.0000733
652.90	8020.00	0.0000824
653.40	10040.00	0.0000870
663.20	6010.00	0.0000682
663.10	8010.00	0.0000775
663.20	10050.00	0.0000823
673.50	6040.00	0.0000635
672.90	8010.00	0.0000727
673.50	9980.00	0.0000785
683.30	6010.00	0.0000590
683.20	8050.00	0.0000685
683.20	10040.00	0.0000746

693.20	6010.00	0.0000548
693.20	8020.00	0.0000643
693.20	10010.00	0.0000712
Reference		https://www.doi.org/10.1021/acs.jced.7b00866

Temperature, K	Pressure, kPa	Viscosity, Pa*s
284.60	670.00	0.0017500
284.70	2710.00	0.0017900
284.70	4240.00	0.0018200
350.50	690.00	0.0006600
350.50	4250.00	0.0006800
350.50	8310.00	0.0007200
294.00	8310.00	0.0016300
322.30	4240.00	0.0009800
284.60	2190.00	0.0017800
353.10	8320.00	0.0006900
Reference		https://www.doi.org/10.1021/acs.jced.9b00187

Mass density, kg/m3

Temperature, K - Liquid	Pressure, kPa - Liquid	Mass density, kg/m3 - Liquid
313.09	1022.00	735.79
313.09	2023.00	736.6
313.09	3017.00	737.36
313.09	4026.00	738.14
313.09	5023.00	738.89
313.09	6032.00	739.66
313.09	7011.00	740.38
313.09	8009.00	741.15
313.09	9026.00	741.91
313.09	10008.00	742.66
313.09	11022.00	743.39
313.09	12012.00	744.09
313.09	13019.00	744.82
313.09	14017.00	745.55
313.09	15025.00	746.22
313.09	16025.00	746.91
313.09	17015.00	747.58

313.09	18022.00	748.26
313.09	19025.00	748.93
313.09	20013.00	749.59
313.09	21015.00	750.23
313.09	22011.00	750.9
313.09	23021.00	751.53
313.09	24015.00	752.21
313.09	24354.00	752.42
322.97	1025.00	728.33
322.97	2028.00	729.17
322.97	3026.00	729.97
322.97	4034.00	730.78
322.97	5021.00	731.59
322.97	6017.00	732.37
322.97	7017.00	733.17
322.97	8041.00	733.99
322.97	9015.00	734.73
322.97	10016.00	735.5
322.97	11019.00	736.28
322.97	12011.00	737.01
322.97	13028.00	737.78
322.97	14041.00	738.53
322.97	14994.00	739.22
322.97	16027.00	739.96
322.97	17001.00	740.64
322.97	18015.00	741.35
322.97	19032.00	742.07
322.97	20004.00	742.74
322.97	21009.00	743.43
322.97	22023.00	744.14
322.97	23009.00	744.8
322.97	24013.00	745.5
322.97	24507.00	745.83
332.80	1023.00	721.08
332.80	2019.00	721.96
332.80	3022.00	722.81
332.80	4030.00	723.69
332.80	5026.00	724.53
332.80	6035.00	725.36
332.80	7014.00	726.16
332.80	8025.00	727.03
332.80	9017.00	727.84
332.80	10020.00	728.67
332.80	11023.00	729.46

332.80	12022.00	730.26
332.80	13004.00	731.04
332.80	14008.00	731.81
332.80	15018.00	732.57
332.80	16023.00	733.35
332.80	17014.00	734.08
332.80	18006.00	734.82
332.80	19024.00	735.59
332.80	20023.00	736.32
332.80	21009.00	737.01
332.80	22009.00	737.73
332.80	23018.00	738.45
332.80	24018.00	739.17
332.80	24665.00	739.63
342.69	1019.00	713.8
342.69	2025.00	714.75
342.69	3025.00	715.67
342.69	4014.00	716.58
342.69	5015.00	717.47
342.69	6017.00	718.36
342.69	7021.00	719.25
342.69	8007.00	720.13
342.69	9019.00	721.03
342.69	10018.00	721.86
342.69	11016.00	722.71
342.69	12013.00	723.56
342.69	13021.00	724.39
342.69	14020.00	725.21
342.69	15030.00	726.04
342.69	16024.00	726.83
342.69	17011.00	727.58
342.69	18025.00	728.36
342.69	19023.00	729.15
342.69	20013.00	729.88
342.69	21006.00	730.67
342.69	22021.00	731.41
342.69	23014.00	732.15
342.69	24013.00	732.89
342.69	24725.00	733.44
352.51	1021.00	706.54
352.51	2027.00	707.55
352.51	3013.00	708.48
352.51	4019.00	709.46
352.51	5027.00	710.45

352.51	6014.00	711.35
352.51	7020.00	712.33
352.51	8000.00	713.23
352.51	9024.00	714.18
352.51	10009.00	715.07
352.51	11022.00	715.96
352.51	12012.00	716.84
352.51	13026.00	717.71
352.51	14017.00	718.6
352.51	15021.00	719.45
352.51	16022.00	720.3
352.51	17012.00	721.08
352.51	18027.00	721.95
352.51	19013.00	722.74
352.51	20028.00	723.53
352.51	21021.00	724.33
352.51	22023.00	725.14
352.51	23008.00	725.88
352.51	24020.00	726.65
352.51	24813.00	727.31
362.29	1015.00	699.21
362.29	2020.00	700.31
362.29	3015.00	701.33
362.29	4012.00	702.34
362.29	5029.00	703.4
362.29	6009.00	704.36
362.29	7029.00	705.38
362.29	8013.00	706.3
362.29	9012.00	707.31
362.29	10038.00	708.31
362.29	11027.00	709.22
362.29	12009.00	710.09
362.29	13007.00	711.04
362.29	14015.00	711.96
362.29	15008.00	712.81
362.29	16034.00	713.71
362.29	17030.00	714.59
362.29	18011.00	715.43
362.29	19021.00	716.29
362.29	20007.00	717.15
362.29	21017.00	717.94
362.29	22032.00	718.77
362.29	23002.00	719.6
362.29	24005.00	720.38

362.29	24809.00	721.05
Reference	https://www.doi.org/10.1016/j.fluid.2007.04.023	

Temperature, K	Pressure, kPa	Mass density, kg/m3
298.15	100.00	745.23
Reference	https://www.doi.org/10.1016/j.fluid.2015.07.022	

Temperature, K	Pressure, kPa	Mass density, kg/m3
293.00	2100.00	752.3
293.00	3100.00	752.9
293.00	4100.00	753.6
293.00	5000.00	754.2
293.00	10100.00	757.5
293.00	20000.00	763.5
293.00	30000.00	769.0
293.00	40000.00	774.3
293.00	50000.00	779.0
293.00	60000.00	783.8
293.00	69900.00	788.0
293.00	79900.00	792.5
293.00	89900.00	796.7
293.00	99900.00	800.8
293.00	109900.00	804.8
293.00	119900.00	808.7
293.00	129900.00	812.4
293.00	134900.00	814.4
293.00	137400.00	815.2
313.00	2100.00	737.7
313.00	3100.00	738.5
313.00	4100.00	739.2
313.00	5000.00	739.9
313.00	10100.00	743.4
313.00	20000.00	750.1
313.00	30000.00	756.3
313.00	40000.00	761.8
313.00	50000.00	767.1
313.00	60000.00	772.1
313.00	69900.00	777.0
313.00	79900.00	781.6
313.00	89900.00	786.1

313.00	99900.00	790.4
313.00	109900.00	794.6
313.00	119900.00	798.7
313.00	129900.00	802.7
313.00	134900.00	804.6
313.00	137400.00	805.4
333.00	2100.00	722.8
333.00	3100.00	723.6
333.00	4100.00	724.5
333.00	5000.00	725.3
333.00	10100.00	729.4
333.00	20000.00	736.6
333.00	30000.00	743.4
333.00	40000.00	749.6
333.00	50000.00	755.3
333.00	60000.00	760.8
333.00	69900.00	766.0
333.00	79900.00	770.9
333.00	89900.00	775.7
333.00	99900.00	780.1
333.00	109900.00	784.6
333.00	119900.00	788.8
333.00	129900.00	793.2
333.00	134900.00	795.1
333.00	137400.00	796.0
353.00	2100.00	708.1
353.00	3100.00	709.0
353.00	4100.00	710.0
353.00	5000.00	710.9
353.00	10100.00	715.6
353.00	20000.00	723.9
353.00	30000.00	731.3
353.00	40000.00	737.7
353.00	50000.00	744.1
353.00	60000.00	750.1
353.00	69900.00	755.6
353.00	79900.00	760.7
353.00	89900.00	765.7
353.00	99900.00	770.5
353.00	109900.00	775.1
353.00	119900.00	779.6
353.00	129900.00	784.0
353.00	134900.00	786.0
353.00	137400.00	787.0

373.00	2100.00	693.2
373.00	3100.00	694.3
373.00	4100.00	695.3
373.00	5000.00	696.3
373.00	10100.00	701.5
373.00	20000.00	710.8
373.00	30000.00	718.7
373.00	40000.00	726.0
373.00	50000.00	733.1
373.00	60000.00	739.4
373.00	69900.00	745.2
373.00	79900.00	750.7
373.00	89900.00	756.0
373.00	99900.00	761.0
373.00	109900.00	765.9
373.00	119900.00	770.6
373.00	129900.00	775.1
373.00	134900.00	777.4
373.00	137400.00	778.5
393.00	2100.00	678.1
393.00	3100.00	679.2
393.00	4100.00	680.4
393.00	5000.00	681.6
393.00	10100.00	687.5
393.00	20000.00	697.8
393.00	30000.00	706.6
393.00	40000.00	714.7
393.00	50000.00	722.2
393.00	60000.00	728.7
393.00	69900.00	735.1
393.00	79900.00	741.1
393.00	89900.00	746.8
393.00	99900.00	752.2
393.00	109900.00	757.2
393.00	119900.00	762.0
393.00	129900.00	766.8
393.00	134900.00	769.0
393.00	137400.00	770.2
413.00	2100.00	662.8
413.00	3100.00	664.2
413.00	4100.00	665.6
413.00	5000.00	666.9
413.00	10100.00	673.7
413.00	20000.00	685.1

413.00	30000.00	694.9
413.00	40000.00	703.6
413.00	50000.00	711.4
413.00	60000.00	718.7
413.00	69900.00	725.4
413.00	79900.00	731.7
413.00	89900.00	737.3
413.00	99900.00	743.2
413.00	109900.00	748.5
413.00	119900.00	753.7
413.00	129900.00	758.5
413.00	134900.00	760.9
413.00	137400.00	762.0
433.00	2100.00	646.8
433.00	3100.00	648.5
433.00	4100.00	650.0
433.00	5000.00	651.6
433.00	10100.00	659.5
433.00	20000.00	672.0
433.00	30000.00	682.8
433.00	40000.00	692.1
433.00	50000.00	700.6
433.00	60000.00	708.3
433.00	69900.00	715.6
433.00	79900.00	722.1
433.00	89900.00	728.3
433.00	99900.00	734.3
433.00	109900.00	739.8
433.00	119900.00	745.1
433.00	129900.00	750.3
433.00	134900.00	752.7
433.00	137400.00	753.9
448.00	2100.00	634.6
448.00	3100.00	636.7
448.00	4100.00	638.2
448.00	5000.00	640.0
448.00	10100.00	648.5
448.00	20000.00	662.4
448.00	30000.00	674.0
448.00	40000.00	684.0
448.00	50000.00	692.9
448.00	60000.00	701.0
448.00	69900.00	708.3
448.00	79900.00	715.3

448.00	89900.00	721.9
448.00	99900.00	727.9
448.00	109900.00	733.5
448.00	119900.00	739.0
448.00	129900.00	744.2
448.00	134900.00	746.7
448.00	137400.00	747.9
468.00	2100.00	617.8
468.00	3100.00	619.9
468.00	4100.00	622.0
468.00	5000.00	624.1
468.00	10100.00	634.1
468.00	20000.00	649.5
468.00	30000.00	661.8
468.00	40000.00	672.8
468.00	50000.00	682.6
468.00	60000.00	691.0
468.00	69900.00	698.9
468.00	79900.00	706.3
468.00	89900.00	712.9
468.00	99900.00	719.2
468.00	109900.00	725.1
468.00	119900.00	731.0
468.00	129900.00	736.3
468.00	134900.00	738.9
468.00	137400.00	740.2

Reference

<https://www.doi.org/10.1016/j.fluid.2016.09.021>

Temperature, K	Pressure, kPa	Mass density, kg/m3
283.29	100.00	756.0
283.29	1000.00	757.0
283.29	3000.00	758.0
283.30	5000.00	760.0
283.30	10000.00	763.0
283.31	20000.00	769.0
283.30	30000.00	775.0
283.30	40000.00	780.0
283.30	50000.00	785.0
283.30	60000.00	790.0
283.31	70000.00	795.0
283.32	80000.00	799.0
283.32	90000.00	803.0

293.17	100.00	749.0
293.18	1000.00	750.0
293.19	5000.00	753.0
293.19	10000.00	756.0
293.19	20000.00	763.0
293.19	30000.00	769.0
293.19	40000.00	774.0
293.19	50000.00	780.0
293.20	60000.00	785.0
293.19	70000.00	789.0
293.19	80000.00	794.0
293.19	90000.00	798.0
293.19	100000.00	802.0
303.05	100.00	742.0
303.05	1000.00	743.0
303.05	5000.00	746.0
303.06	10000.00	749.0
303.05	20000.00	756.0
303.04	30000.00	762.0
303.06	40000.00	768.0
303.05	50000.00	774.0
303.05	60000.00	779.0
303.05	70000.00	784.0
303.05	80000.00	789.0
303.05	90000.00	793.0
303.04	100000.00	797.0
312.89	100.00	736.0
312.89	1000.00	737.0
312.90	5000.00	740.0
312.90	10000.00	744.0
312.90	20000.00	751.0
312.90	30000.00	757.0
312.90	40000.00	763.0
312.90	50000.00	769.0
312.90	60000.00	774.0
312.90	70000.00	780.0
312.90	80000.00	784.0
312.90	90000.00	789.0
312.90	100000.00	793.0
322.83	100.00	727.0
322.83	1000.00	728.0
322.83	5000.00	732.0
322.83	10000.00	736.0
322.83	20000.00	743.0

322.83	30000.00	750.0
322.83	40000.00	756.0
322.83	50000.00	762.0
322.83	60000.00	768.0
322.83	70000.00	773.0
322.83	80000.00	778.0
322.83	90000.00	783.0
322.83	100000.00	787.0
332.74	100.00	720.0
332.74	1000.00	721.0
332.74	5000.00	725.0
332.74	10000.00	729.0
332.74	20000.00	737.0
332.74	30000.00	744.0
332.74	40000.00	750.0
332.74	50000.00	757.0
332.74	60000.00	762.0
332.74	70000.00	768.0
332.74	80000.00	773.0
332.74	90000.00	778.0
332.75	100000.00	782.0
342.67	100.00	713.0
342.67	1000.00	714.0
342.67	5000.00	718.0
342.67	10000.00	722.0
342.67	20000.00	731.0
342.67	30000.00	738.0
342.67	40000.00	745.0
342.67	50000.00	751.0
342.67	60000.00	757.0
342.67	69990.00	763.0
342.67	80000.00	768.0
342.67	90000.00	773.0
342.67	100000.00	778.0
352.58	100.00	707.0
352.58	1000.00	708.0
352.58	5000.00	712.0
352.58	10000.00	716.0
352.58	20000.00	725.0
352.58	30000.00	733.0
352.58	40000.00	740.0
352.58	50000.00	747.0
352.58	60000.00	753.0
352.58	70000.00	759.0

352.58	80000.00	764.0
352.58	90000.00	769.0
352.58	100000.00	774.0
362.49	100.00	699.0
362.49	1000.00	700.0
362.48	5000.00	704.0
362.48	10000.00	709.0
362.48	20000.00	718.0
362.48	30000.00	726.0
362.49	40000.00	734.0
362.48	50000.00	741.0
362.49	60000.00	747.0
362.49	70000.00	753.0
362.48	80000.00	759.0
362.48	90000.00	764.0
362.49	100000.00	769.0

Reference

<https://www.doi.org/10.1016/j.fluid.2017.12.010>

Temperature, K	Pressure, kPa	Mass density, kg/m3
278.15	100.00	759.2
278.15	1000.00	760.5
278.15	5000.00	763.1
278.15	10000.00	766.2
278.15	20000.00	771.9
278.15	30000.00	777.3
278.15	40000.00	782.3
278.15	50000.00	787.1
278.15	60000.00	791.7
298.15	100.00	745.6
298.15	1000.00	746.2
298.15	5000.00	749.0
298.15	10000.00	752.4
298.15	20000.00	758.7
298.15	30000.00	764.7
298.15	40000.00	770.1
298.15	50000.00	775.3
298.15	60000.00	780.2
323.15	100.00	727.2
323.15	1000.00	728.2
323.15	5000.00	731.4
323.15	10000.00	735.3
323.15	20000.00	742.6

323.15	30000.00	749.2
323.15	40000.00	755.2
323.15	50000.00	760.9
323.15	60000.00	766.3
348.15	100.00	708.7
348.15	1000.00	709.6
348.15	5000.00	713.4
348.15	10000.00	717.8
348.15	20000.00	726.1
348.15	30000.00	733.5
348.15	40000.00	740.2
348.15	50000.00	746.4
348.15	60000.00	752.3
373.15	1000.00	690.8
373.15	5000.00	695.2
373.15	10000.00	700.4
373.15	20000.00	709.8
373.15	30000.00	718.1
373.15	40000.00	725.6
373.15	50000.00	732.5
373.15	60000.00	738.9
423.15	1000.00	652.6
423.15	5000.00	658.7
423.15	10000.00	665.6
423.15	20000.00	677.6
423.15	30000.00	688.0
423.15	40000.00	697.0
423.15	50000.00	705.3
423.15	60000.00	712.8
463.15	5000.00	627.9
463.15	10000.00	636.9
463.15	20000.00	651.8
463.15	30000.00	664.2
463.15	40000.00	674.8
463.15	50000.00	684.1
463.15	60000.00	692.6

Reference

<https://www.doi.org/10.1021/acs.jced.5b00613>

Temperature, K	Pressure, kPa	Mass density, kg/m3
293.21	2007.00	750.58
293.21	3977.00	752.18
293.21	5979.00	753.71

293.21	7982.00	755.06
293.22	9987.00	756.38
293.21	12987.00	758.27
293.22	15986.00	760.07
293.22	18994.00	761.82
293.22	21995.00	763.63
293.22	24987.00	765.5
293.22	27987.00	767.37
293.21	29985.00	768.5
313.10	1990.00	736.16
313.10	4017.00	737.72
313.10	6016.00	739.14
313.10	8014.00	740.64
313.10	10011.00	742.11
313.10	13007.00	744.26
313.10	16011.00	746.36
313.10	19017.00	748.61
313.10	22017.00	750.69
313.10	25019.00	752.63
313.10	28017.00	754.52
313.10	30020.00	755.75
333.01	2024.00	721.82
333.00	3976.00	723.61
333.01	5981.00	725.32
333.01	7987.00	726.99
333.01	10019.00	728.35
333.01	13016.00	730.73
333.01	16014.00	733.04
333.01	19018.00	735.29
333.01	22015.00	737.46
333.01	25018.00	739.58
333.01	28015.00	741.65
333.01	30024.00	742.99
353.12	2000.00	706.86
353.12	3991.00	708.83
353.12	5996.00	710.75
353.12	8009.00	712.81
353.12	10014.00	714.63
353.12	13006.00	717.28
353.12	16007.00	719.83
353.12	19003.00	722.16
353.12	22006.00	724.55
353.12	25008.00	726.87
353.12	28011.00	729.13

353.12	30007.00	730.59
Reference	https://www.doi.org/10.1021/acs.jced.7b00650	

Temperature, K	Pressure, kPa	Mass density, kg/m3
298.15	100.00	745.29
Reference	https://www.doi.org/10.1021/je400493x	

Temperature, K	Pressure, kPa	Mass density, kg/m3
313.53	8012.00	740.43
313.50	9962.00	741.88
313.50	12011.00	743.35
313.52	13987.00	744.76
313.48	16030.00	746.15
313.48	17972.00	747.51
323.46	7994.00	733.56
323.48	9968.00	735.18
323.57	11960.00	736.57
323.52	13993.00	738.13
323.49	16021.00	739.64
323.49	18018.00	741.06
333.55	8003.00	726.32
333.51	9996.00	727.99
333.55	11980.00	729.56
333.56	13998.00	731.15
333.53	15975.00	732.68
333.52	17973.00	734.22
343.50	7959.00	719.25
343.50	10036.00	721.04
343.48	11000.00	721.9
343.48	11993.00	722.72
343.47	12998.00	723.59
343.52	13977.00	724.32
343.54	14989.00	725.15
343.55	15979.00	725.97
343.56	16970.00	726.72
343.56	18004.00	727.54
353.57	8022.00	712.16
353.57	10035.00	713.95
353.58	11021.00	714.86
353.58	12000.00	715.73

353.56	13021.00	716.67
353.56	13976.00	717.47
353.52	15037.00	718.45
353.55	15991.00	719.22
353.59	17027.00	720.07
353.53	17993.00	720.9

Reference

<https://www.doi.org/10.1021/je5005643>

Pressure, kPa	Temperature, K	Mass density, kg/m3
100.00	283.15	756.0
100.00	288.15	752.4
100.00	293.15	748.8
100.00	298.15	745.3
100.00	303.15	741.7
100.00	308.15	738.1
100.00	313.15	734.4
100.00	318.15	730.8
100.00	323.15	727.1
10000.00	283.15	762.4
10000.00	288.15	758.9
10000.00	293.15	755.5
10000.00	298.15	752.1
10000.00	303.15	748.7
10000.00	308.15	745.3
10000.00	313.15	741.8
10000.00	318.15	738.4
10000.00	323.15	734.9
20000.00	283.15	768.3
20000.00	288.15	765.1
20000.00	293.15	761.7
20000.00	298.15	758.5
20000.00	303.15	755.2
20000.00	308.15	752.0
20000.00	313.15	748.7
20000.00	318.15	745.4
20000.00	323.15	742.0
30000.00	283.15	773.9
30000.00	288.15	770.7
30000.00	293.15	767.6
30000.00	298.15	764.4
30000.00	303.15	761.3
30000.00	308.15	758.2

30000.00	313.15	755.0
30000.00	318.15	751.9
30000.00	323.15	748.6
40000.00	283.15	779.2
40000.00	288.15	776.1
40000.00	293.15	773.1
40000.00	298.15	770.0
40000.00	303.15	767.0
40000.00	308.15	764.0
40000.00	313.15	760.9
40000.00	318.15	757.9
40000.00	323.15	754.8
50000.00	283.15	784.1
50000.00	288.15	781.2
50000.00	293.15	778.2
50000.00	298.15	775.3
50000.00	303.15	772.4
50000.00	308.15	769.4
50000.00	313.15	766.4
50000.00	318.15	763.5
50000.00	323.15	760.5
60000.00	283.15	788.6
60000.00	288.15	786.0
60000.00	293.15	783.2
60000.00	298.15	780.3
60000.00	303.15	777.5
60000.00	308.15	774.6
60000.00	313.15	771.7
60000.00	318.15	768.8
60000.00	323.15	765.9

Reference

<https://www.doi.org/10.1021/je8006875>

Speed of sound, m/s

Pressure, kPa - Liquid	Temperature, K - Liquid	Speed of sound, m/s - Liquid
10000.00	303.15	1318.5
20000.00	303.15	1372.4
30000.00	303.15	1421.4
40000.00	303.15	1468.5
50000.00	303.15	1512.3

60000.00	303.15	1553.7
70000.00	303.15	1593.3
10000.00	313.15	1281.7
20000.00	313.15	1337.9
30000.00	313.15	1389.6
40000.00	313.15	1436.8
50000.00	313.15	1481.5
60000.00	313.15	1524.2
70000.00	313.15	1564.6

Reference

<https://www.doi.org/10.1021/acs.jced.9b00311>

Molar heat capacity at constant pressure, J/K/mol

Temperature, K - Liquid	Pressure, kPa - Liquid	Molar heat capacity at constant pressure, J/K/mol - Liquid
323.15	100.00	386.32
328.15	100.00	389.56
333.15	100.00	392.79
338.15	100.00	395.86
343.15	100.00	399.09
348.15	100.00	402.33
353.15	100.00	405.57
358.15	100.00	408.80
363.15	100.00	412.04
368.15	100.00	415.28
373.15	100.00	418.85
378.15	100.00	422.09
383.15	100.00	425.50
388.15	100.00	428.73
393.15	100.00	432.31
398.15	100.00	435.38
403.15	100.00	438.78
408.15	100.00	442.53
413.15	100.00	445.77
418.15	100.00	449.34
423.15	100.00	452.92
428.15	100.00	456.50
433.15	100.00	460.59
438.15	100.00	465.35
323.15	10180.00	385.13
328.15	10180.00	388.02

Liquid-liquid equilibria for benzaldehyde + n-alkane mixtures
Excess properties of the benzaldehyde +
n-alkanes from methylpropanehexane of
distillation C₆H₅O₂ at 0.1 MPa and T
Solution of (Carbon Dioxide +
(n-Alkane) Binary Mixtures:

<https://www.doi.org/10.1021/je4001894>
<https://www.doi.org/10.1016/j.jct.2017.03.034>
<https://www.cheric.org/research/kdb/hcprop/showprop.php?cmpid=12>
<https://www.doi.org/10.1021/je400606c>
<https://www.doi.org/10.1021/acs.jced.8b00438>
<https://www.doi.org/10.1021/je200327s>
<https://www.doi.org/10.1021/je050134y>
<https://www.doi.org/10.1016/j.fluid.2016.04.004>
<https://www.doi.org/10.1021/acs.jced.6b00542>
<https://www.doi.org/10.1021/acs.jced.6b00970>
<https://www.doi.org/10.1021/acs.jced.7b00244>
<https://www.cheric.org/files/research/kdb/mol/mol12.mol>
<https://www.doi.org/10.1016/j.fluid.2007.05.017>
<https://www.doi.org/10.1016/j.jct.2015.12.021>
<https://www.doi.org/10.1021/je400835u>
<https://www.doi.org/10.1021/je200757a>
<https://www.doi.org/10.1021/acs.jced.8b01135>
<https://www.doi.org/10.1021/je500050p>
<https://www.doi.org/10.1016/j.fluid.2018.08.016>
<https://www.doi.org/10.1016/j.fluid.2015.07.020>
<https://www.doi.org/10.1021/je300450j>
<https://www.doi.org/10.1021/je201032t>
<https://www.doi.org/10.1021/je050125p>
<https://www.doi.org/10.1021/je030215z>
<https://www.doi.org/10.1021/je900598y>
<https://www.doi.org/10.1016/j.fluid.2016.02.006>
<https://www.doi.org/10.1021/acs.jced.6b00691>
<https://www.doi.org/10.1021/je034177v>
<https://www.doi.org/10.1021/acs.jced.8b00008>
<https://www.doi.org/10.1021/acs.jced.9b00185>
<https://www.doi.org/10.1016/j.jct.2010.11.004>
<https://www.doi.org/10.1016/j.jct.2007.06.016>
<http://link.springer.com/article/10.1007/BF02311772>
<https://www.doi.org/10.1016/j.fluid.2005.01.012>
<https://www.doi.org/10.1021/je400487e>
<https://www.doi.org/10.1016/j.fluid.2010.10.013>
<https://www.doi.org/10.1016/j.jct.2008.01.012>
<https://www.doi.org/10.1016/j.jct.2018.05.023>
<https://www.doi.org/10.1016/j.fluid.2005.12.006>
<http://pubs.acs.org/doi/abs/10.1021/ci990307l>
<https://www.doi.org/10.1016/j.fluid.2014.01.013>
<https://www.doi.org/10.1016/j.jct.2005.03.024>
<https://www.doi.org/10.1021/acs.jced.7b00159>

Equilibrium Study on the Extraction of Levulinic Acid from Aqueous Solution with Aqueous 30% Dissolved Acetone. 5. Thermodynamic Properties and Characterization of Binary and Ternary Systems. 6. Thermodynamic Properties of Isothermal Phase Equilibria and Excess Molar Enthalpies for Binary Systems with Dimethyl Ether. 7. Phase Behavior of Ternary Systems of Triglycidyl Tricarbonate Ionic Liquids for Supercritical Fluid Extraction. 8. Measurements of ternary systems (acetonitrile + a carboxylic acid + dodecane) at 303.15 K. 9. Mixtures of Liquid-Liquid-Liquid Equilibria in the $\text{H}_2\text{O}-\text{CH}_3\text{COOH}-\text{CH}_2\text{Cl}_2$ and $\text{H}_2\text{O}-\text{CH}_3\text{COOH}-\text{CH}_2\text{Br}$ Systems. 10. Measurement and Correlation of Phase Equilibria for Dodecane + Substituted Benzene. 11. Measurement and Correlation for n-Dodecane and n-Butylbenzene. 12. Measurement of Sound, Bulk Modulus, Surface Tension, and Flash Point of Binary Systems with Aromatic Compounds. 13. Vapor-Liquid Equilibria in Binary Systems Containing C_6H_6 and C_7H_8 with C_8H_{18} and $\text{C}_{10}\text{H}_{22}$. 14. Thermodynamic Properties of Aqueous Aqueous Systems. 15. Estimation of Thermodynamic Properties of Aqueous Systems with PSRK. 16. Thermodynamic Properties of Mixtures of n-Dodecane and n-Butylbenzene. 17. Activity Coefficients of n-Dodecane and n-Butylbenzene in 12 Solvents with n-Dodecane. 18. Mutual Diffusivity of Binary Mixtures of n-Dodecane and n-Butylbenzene. 19. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 20. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 21. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 22. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 23. 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Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 36. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 37. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 38. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 39. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 40. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 41. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 42. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 43. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 44. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 45. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 46. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 47. 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Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 84. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 85. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 86. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 87. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 88. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 89. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 90. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 91. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 92. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 93. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 94. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 95. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 96. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 97. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 98. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 99. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene. 100. Thermodynamic Properties of Binary Mixtures of n-Dodecane and n-Butylbenzene.

Determination of vapor pressure and thermal decomposition using miscibility of
Trihexyl(tetradecyl)phosphonium
Experimental investigation of the
Thermophysical Properties of the
Binary Equilibria for the Gases: Binary
Hydrocarbon Mixtures of n-Dodecane,
n-Tetradecane, and the Practical study of
Methyl Ethyl ether and Methyl
ethyl ether between organic
compounds measurement of Endothermic
Fuel at Temperatures from 200 K to
350 K and the Phase Diagram of
of organic solutes in
Density of the binary systems
n-Dodecane + n-Dodecane and n-Dodecane +
Mass Diffusion Coefficient and
Coefficient of o-Dichlorobenzene
Equilibrium Properties of n-Dodecane
n-Alkanes at Temperatures between
300 K and 350 K and thermodynamic
properties of ternary liquid mixture
of n-Dodecane + n-Dodecane:
N-Methyl-2-hydroxyethylammonium
Acid, Liquid Equilibria of Alkane (C40-
C42) + n-Dodecane + n-Dodecane
Liquid + Liquid Equilibria for mixtures
of dodecane and ethanol with
alkylsulfate-based ionic Organic
Compounds in Four New
Thermodynamic modeling and
experimental results of sound
diffusion in the liquid phases of
n-Dodecane + n-Dodecane
Ternary Equilibria of n-Dodecane +
Alkane + Carbon tetrachloride Solvent
of n-Dodecane + n-Dodecane +
and estradiol in various solvents between
Phases of liquid measurements and
thermodynamic modeling of binary
mixtures of n-Dodecane + n-Dodecane
liquids using the Peng-Robinson
Equation of State and the n-Dodecane:
As a function of temperature
Hydrocarbon solubility for betulin and
estrone in various solvents within the
temperature range 293.2 to 328.2 K
Dynamic Viscosity and Density of
Thermodynamics of mixing for binary
mixtures of 1-octanol and 1-decanol
Crippen Method
Ternary Equilibria and ternary mixture of
(TBP + 1-octanol + dodecane) at T =
298.15 to 323.15 K
Excess molar enthalpies of the ternary
mixtures: {tetrahydrofuran or
2-methyltetrahydrofuran + binary
mixtures of n-decane + n-dodecane
at temperatures 298.15, 303.15, 313.15 K and
pressures 0.1 to 0.10 MPa liquid liquid
equilibria for mixtures of n-Dodecane +
selected alkanes (C7, C12, and C16) using the
ternary liquid-liquid equilibrium for
binary systems containing
benzothiazole
Liquid-liquid equilibria for mixtures of
{methyl acetate + methanol + n-alkane
(C10, C12)} at several temperatures of
n-Dodecane + n-Dodecane + n-Dodecane
An Aromatic hydrocarbon +
n-Dodecane + n-Dodecane + n-Dodecane
with Alkanes (Octane, Decane, and
Dodecane) and the Ternary
Systems Dodecane + Dodecane +
Dodecane + Dodecane + Dodecane
of the n-Dodecane + n-Dodecane +
Dodecane + Dodecane + Dodecane
Equilibrium Properties of n-Dodecane
of mixing for the ternary system (butyl
Determination of solubility parameters
from density measurements for
n-Dodecane + n-Dodecane +
Compounds in n-Dodecane + n-Dodecane
and n-Dodecane + n-Dodecane +
Alkanes: n-Dodecane Mixtures between
293 and 353 K, Viscosity, and Freezing Point
for Four Binary Systems of n-Dodecane
Density, Viscosity, and Structure of
Equilibrium of n-Dodecane + n-Dodecane
Acid Mixtures and Phosphonium Ionic
of n-Dodecane, n-Octacosane, Their
Mixtures, and a Wax between 323 and
573 K by Surface Light Scattering:

<https://www.doi.org/10.1016/j.tca.2015.03.020>
<https://www.doi.org/10.1021/je9010079>
<https://www.doi.org/10.1021/acs.jced.9b00643>
<https://www.doi.org/10.1021/acs.jced.6b00360>
<https://www.doi.org/10.1016/j.fluid.2014.06.021>
<https://www.doi.org/10.1021/acs.jced.6b00391>
<https://www.doi.org/10.1016/j.jct.2015.02.023>
<https://www.doi.org/10.1021/acs.jced.5b00613>
<https://www.doi.org/10.1021/acs.jced.5b00609>
<https://www.doi.org/10.1016/j.jct.2004.09.021>
<https://www.doi.org/10.1016/j.fluid.2015.07.008>
<https://www.doi.org/10.1021/je200799u>
<https://www.doi.org/10.1021/je200203k>
<https://www.doi.org/10.1016/j.jct.2014.09.009>
<https://www.doi.org/10.1021/je200637v>
<https://www.doi.org/10.1016/j.jct.2012.05.023>
<https://www.doi.org/10.1021/je800846j>
<https://www.doi.org/10.1021/je0340497>
<https://www.doi.org/10.1016/j.jct.2016.11.017>
<https://www.doi.org/10.1016/j.jct.2017.06.003>
<https://www.doi.org/10.1021/je8006875>
<https://www.doi.org/10.1021/je501074b>
<https://www.doi.org/10.1016/j.jct.2016.02.006>
<https://www.doi.org/10.1021/acs.jced.7b00650>
<https://www.doi.org/10.1016/j.jct.2015.06.029>
https://www.chemeo.com/doc/models/crippen_log10ws
<https://www.doi.org/10.1016/j.jct.2004.12.005>
<https://www.doi.org/10.1016/j.fluid.2017.12.010>
<https://www.doi.org/10.1016/j.fluid.2007.01.022>
<https://www.doi.org/10.1016/j.jct.2008.01.025>
<https://www.doi.org/10.1016/j.fluid.2011.04.024>
<https://www.doi.org/10.1016/j.jct.2003.11.009>
<https://www.doi.org/10.1021/je010317u>
<https://www.doi.org/10.1021/je034208m>
<https://www.doi.org/10.1021/acs.jced.6b00437>
<https://www.doi.org/10.1021/je200195q>
<https://www.doi.org/10.1021/je020138s>
<https://www.doi.org/10.1016/j.fluid.2016.09.021>
<https://www.doi.org/10.1021/acs.jced.6b00803>
<https://www.doi.org/10.1021/acs.jced.9b00187>
<https://www.doi.org/10.1021/acs.jced.6b00688>
<https://www.doi.org/10.1021/acs.jced.7b00039>
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Liquid-Liquid Equilibria for Mixtures of (Furfural + a Chlorinated Aromatic Compound) and Mixtures of Binary Ternary Systems Methanol/Water + Hexane, Molar Enthalpies of Binary Systems of 2-Octanone + 3-Octanone and Ternary Systems of Binary Mixtures of 2-Octanone with 3-Octanone, Dodecane, and Tetradecane, Acetic Acid/Water Solutions in Triethylamine and Dodecane, Dodecane Sulfonic Acid Solutions with Undecane, Undecane and Dodecane in Ethanol: Methanol and Water and Phosphate and Sulfate Salts of 2,6-Diethylphenols of Cyclohexane in Cyclohexane at Different Temperatures, Viscosities of Binary Mixtures of Tributyl Phosphate with Hexane and Dodecane from 298.15 to 308.15 K for the extraction of propylbenzene from n-pentane or isobutane from dodecane using 4-methyl-2-pentanol, Viscosities of the ternary mixtures of methyl tributyl ether, 1-butanol and different chlorinated hydrocarbons, Viscosity of the Alkanes Mixtures from 298.15 to 308.15 K and Vapor-Liquid Equilibria for the ternary system (water + dodecane + propylbenzene or isobutyl ether): 1-Ethyl-3-methylimidazolium dimethylphosphate of Mixtures Containing Aromatic Alcohols. 1. Ethylmethylphosphate of Mixtures of 1-Ethyl-3-methylimidazolium Salts of 2,6-Diethylphenols, 2,6-Diethylphenol in 1-Ethyl-3-methylimidazolium, 2-Ethyl-1-methylimidazolium, 2-Methyl-1-ethylimidazolium and 2-Ethyl-2-methylimidazolium with Water, Study of the Partition of Organic Compounds and Ions of Urea, JP 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749

<https://www.doi.org/10.1021/je020107x>
<https://www.doi.org/10.1021/acs.jced.6b00022>
<https://www.doi.org/10.1021/je900311v>
<https://www.doi.org/10.1016/j.jct.2011.04.005>
<https://www.doi.org/10.1021/acs.jced.8b00794>
<https://www.doi.org/10.1016/j.fluid.2013.01.002>
<https://www.doi.org/10.1021/je0502391>
<https://www.doi.org/10.1021/je8004112>
<https://www.doi.org/10.1021/je060491o>
<https://www.doi.org/10.1016/j.jct.2012.05.010>
<https://www.doi.org/10.1016/j.jct.2011.06.009>
<https://www.doi.org/10.1016/j.jct.2004.05.006>
<https://www.doi.org/10.1021/acs.jced.7b00803>
<https://www.doi.org/10.1016/j.jct.2011.11.013>
<https://www.doi.org/10.1021/je100991y>
<https://www.doi.org/10.1021/je300146k>
<https://www.doi.org/10.1021/acs.jced.8b01233>
<https://www.doi.org/10.1016/j.jct.2008.09.004>
<https://www.doi.org/10.1016/j.fluid.2012.02.004>
<https://www.doi.org/10.1021/je200646r>
<https://www.doi.org/10.1016/j.fluid.2014.11.020>
<https://www.doi.org/10.1021/je200840e>
<https://www.doi.org/10.1021/je200586g>
<https://www.doi.org/10.1021/acs.jced.5b00246>
<https://www.doi.org/10.1016/j.tca.2004.12.026>
<https://www.doi.org/10.1021/acs.jced.7b00517>
<https://www.doi.org/10.1016/j.jct.2004.05.001>
<https://www.doi.org/10.1021/je500283s>
<https://www.doi.org/10.1021/je100998r>
<https://www.doi.org/10.1016/j.jct.2014.02.012>
<https://www.doi.org/10.1016/j.fluid.2011.08.009>
<https://www.doi.org/10.1021/je400493x>
<https://www.doi.org/10.1021/je500237g>
<https://www.doi.org/10.1021/je201284y>
<https://www.doi.org/10.1016/j.fluid.2007.04.023>
<https://www.doi.org/10.1016/j.fluid.2006.07.015>

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
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
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
nfpaf:	NFPA Fire Rating
pc:	Critical Pressure
pvap:	Vapor pressure
rfi:	Refractive Index
rhoc:	Critical density
rhof:	Liquid Density
rinpol:	Non-polar retention indices
sdco:	Self diffusion coefficient
sfust:	Entropy of fusion at a given temperature
sg:	Molar entropy at standard conditions
sl:	Liquid phase molar entropy at standard conditions
speedsl:	Speed of sound in fluid
srf:	Surface Tension
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tcondl:	Liquid thermal conductivity
tdiff:	Thermal diffusivity
tf:	Normal melting (fusion) point
vc:	Critical Volume
zc:	Critical Compressibility
zra:	Rackett Parameter

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