

Tetradecanoic acid, ethyl ester

Other names:	Ethyl N-tetradecanoate Ethyl ester of tetradecanoic acid Ethyl ester tetradecanoic acid Ethyl myristate Ethyl tetradecanoate Ethyl tetradecanoate (Ethyl myristate) Myristic acid, ethyl ester
Inchi:	InChI=1S/C16H32O2/c1-3-5-6-7-8-9-10-11-12-13-14-15-16(17)18-4-2/h3-15H2,1-2H3
InchiKey:	MMKRHZKQPFCLLS-UHFFFAOYSA-N
Formula:	C16H32O2
SMILES:	CCCCCCCCCCCCCCC(=O)OCC
Mol. weight [g/mol]:	256.42
CAS:	124-06-1

Physical Properties

Property code	Value	Unit	Source
chl	-10067.00 ± 1.00	kJ/mol	NIST Webbook
gf	-150.08	kJ/mol	Joback Method
hf	-618.37	kJ/mol	Joback Method
hfus	39.98	kJ/mol	Joback Method
hvap	60.37	kJ/mol	Joback Method
log10ws	-5.38		Crippen Method
logp	5.251		Crippen Method
mcvol	243.740	ml/mol	McGowan Method
pc	1363.65	kPa	Joback Method
rinpol	1772.00		NIST Webbook
rinpol	1795.00		NIST Webbook
rinpol	1795.00		NIST Webbook
rinpol	1795.00		NIST Webbook
rinpol	1780.00		NIST Webbook
rinpol	1798.00		NIST Webbook
rinpol	1793.00		NIST Webbook
rinpol	1797.00		NIST Webbook
rinpol	1793.00		NIST Webbook
rinpol	1779.00		NIST Webbook
rinpol	1795.00		NIST Webbook
rinpol	1784.00		NIST Webbook

rinpol	1793.00	NIST Webbook
rinpol	1795.00	NIST Webbook
rinpol	1794.00	NIST Webbook
rinpol	1795.00	NIST Webbook
rinpol	1803.00	NIST Webbook
rinpol	1803.00	NIST Webbook
rinpol	1796.00	NIST Webbook
rinpol	1795.00	NIST Webbook
rinpol	1792.00	NIST Webbook
rinpol	1772.00	NIST Webbook
rinpol	1779.00	NIST Webbook
rinpol	1775.00	NIST Webbook
rinpol	1776.00	NIST Webbook
rinpol	1775.00	NIST Webbook
rinpol	1778.00	NIST Webbook
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rinpol	1778.00	NIST Webbook
rinpol	1777.00	NIST Webbook
rinpol	1774.00	NIST Webbook
rinpol	1778.00	NIST Webbook
rinpol	1777.00	NIST Webbook
rinpol	1790.00	NIST Webbook
rinpol	1775.00	NIST Webbook
rinpol	1790.00	NIST Webbook
rinpol	1794.00	NIST Webbook
rinpol	1794.00	NIST Webbook
rinpol	1795.00	NIST Webbook
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rinpol	1793.00	NIST Webbook
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rinpol	1796.00	NIST Webbook
rinpol	1792.00	NIST Webbook
rinpol	1793.00	NIST Webbook
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rinpol	1795.00	NIST Webbook
rinpol	1793.00	NIST Webbook
rinpol	1792.00	NIST Webbook
rinpol	1798.00	NIST Webbook
rinpol	1799.40	NIST Webbook
rinpol	1777.00	NIST Webbook
rinpol	1780.00	NIST Webbook
rinpol	1779.00	NIST Webbook
rinpol	1790.00	NIST Webbook
rinpol	1790.00	NIST Webbook

rinpol	1790.00	NIST Webbook
rinpol	1793.00	NIST Webbook
rinpol	1782.00	NIST Webbook
rinpol	1778.00	NIST Webbook
rinpol	1793.00	NIST Webbook
rinpol	1793.00	NIST Webbook
rinpol	1794.00	NIST Webbook
rinpol	1796.00	NIST Webbook
rinpol	1780.00	NIST Webbook
rinpol	1780.00	NIST Webbook
rinpol	1805.00	NIST Webbook
rinpol	1780.00	NIST Webbook
rinpol	1778.70	NIST Webbook
rinpol	1777.00	NIST Webbook
rinpol	1769.00	NIST Webbook
rinpol	1777.00	NIST Webbook
rinpol	1779.00	NIST Webbook
rinpol	1787.00	NIST Webbook
rinpol	1778.00	NIST Webbook
rinpol	1780.00	NIST Webbook
rinpol	1794.00	NIST Webbook
ripol	2042.00	NIST Webbook
ripol	2058.00	NIST Webbook
ripol	2054.00	NIST Webbook
ripol	2048.00	NIST Webbook
ripol	2015.00	NIST Webbook
ripol	2065.00	NIST Webbook
ripol	2053.00	NIST Webbook
ripol	2038.00	NIST Webbook
ripol	2026.00	NIST Webbook
ripol	2044.00	NIST Webbook
ripol	2038.00	NIST Webbook
ripol	2027.00	NIST Webbook
ripol	2029.00	NIST Webbook
ripol	2038.00	NIST Webbook
ripol	2072.00	NIST Webbook
ripol	2057.00	NIST Webbook
ripol	2025.00	NIST Webbook
ripol	2048.00	NIST Webbook
ripol	2041.00	NIST Webbook
ripol	2065.00	NIST Webbook
ripol	2049.00	NIST Webbook
ripol	2065.00	NIST Webbook
ripol	2015.00	NIST Webbook

ripol	2065.00		NIST Webbook
ripol	2040.00		NIST Webbook
ripol	2094.00		NIST Webbook
ripol	2094.00		NIST Webbook
ripol	2065.00		NIST Webbook
ripol	2057.00		NIST Webbook
ripol	2094.00		NIST Webbook
ripol	2054.00		NIST Webbook
ripol	2070.00		NIST Webbook
ripol	2053.00		NIST Webbook
ripol	2050.00		NIST Webbook
ripol	2029.00		NIST Webbook
ripol	2058.00		NIST Webbook
ripol	2063.00		NIST Webbook
ripol	2063.00		NIST Webbook
ripol	2055.00		NIST Webbook
ripol	2034.00		NIST Webbook
ripol	2054.00		NIST Webbook
ripol	2020.00		NIST Webbook
ripol	2048.00		NIST Webbook
ripol	2040.00		NIST Webbook
ripol	2038.00		NIST Webbook
ripol	2053.00		NIST Webbook
ripol	2053.00		NIST Webbook
ripol	2055.00		NIST Webbook
ripol	2059.00		NIST Webbook
ripol	2026.00		NIST Webbook
ripol	2046.00		NIST Webbook
ripol	2019.00		NIST Webbook
ripol	2025.00		NIST Webbook
ripol	2070.00		NIST Webbook
ripol	2044.00		NIST Webbook
ripol	2057.00		NIST Webbook
ripol	2045.00		NIST Webbook
ripol	2043.00		NIST Webbook
ripol	2056.00		NIST Webbook
ripol	2027.00		NIST Webbook
ripol	2027.00		NIST Webbook
ripol	2077.00		NIST Webbook
ripol	2055.00		NIST Webbook
ripol	2046.00		NIST Webbook
ripol	2043.00		NIST Webbook
ripol	2049.00		NIST Webbook
tb	568.20	K	NIST Webbook

tb	582.00 ± 2.00	K	NIST Webbook
tc	809.14	K	Joback Method
tf	285.09 ± 0.20	K	NIST Webbook
tf	287.50	K	Influence of Additives (Isoamyl Laurate or Isoamyl Nonanoate) in the Solid-Liquid Equilibrium of Fatty Acid Ethyl Esters
tf	286.40	K	High pressure solid-liquid equilibrium of fatty acid ethyl esters binary systems
vc	0.956	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	772.16	J/mol×K	809.14	Joback Method
cpg	727.27	J/mol×K	725.45	Joback Method
cpg	710.87	J/mol×K	697.56	Joback Method
cpg	693.74	J/mol×K	669.66	Joback Method
cpg	675.85	J/mol×K	641.77	Joback Method
cpg	742.94	J/mol×K	753.35	Joback Method
cpg	757.90	J/mol×K	781.24	Joback Method
dvisc	0.0017432	Pa×s	343.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0062601	Pa×s	283.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0022423	Pa×s	328.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0020549	Pa×s	333.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0027056	Pa×s	318.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0016139	Pa×s	348.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters

dvisc	0.0014986	Pa×s	353.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0018891	Pa×s	338.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0054303	Pa×s	288.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0029928	Pa×s	313.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0033278	Pa×s	308.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0037207	Pa×s	303.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0041880	Pa×s	298.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0047492	Pa×s	293.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
dvisc	0.0024579	Pa×s	323.15	Densities and Viscosities of Fatty Acid Methyl and Ethyl Esters
hvapt	71.80	kJ/mol	487.50	NIST Webbook
pvap	3.20	kPa	462.30	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	0.10	kPa	391.87	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	0.19	kPa	401.89	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel

pvap	0.32	kPa	411.93	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	0.54	kPa	421.97	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	0.89	kPa	432.22	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	1.39	kPa	442.39	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	2.13	kPa	452.25	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	0.06	kPa	382.03	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	0.03	kPa	373.15	Isothermal Vapor Liquid Equilibria of n-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate
pvap	0.06	kPa	383.15	Isothermal Vapor Liquid Equilibria of n-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate

pvap	0.11	kPa	393.15	Isothermal Vapor Liquid Equilibria of n-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate
pvap	0.20	kPa	403.15	Isothermal Vapor Liquid Equilibria of n-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate
pvap	0.34	kPa	413.15	Isothermal Vapor Liquid Equilibria of n-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate
pvap	0.57	kPa	423.15	Isothermal Vapor Liquid Equilibria of n-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate
pvap	0.92	kPa	433.15	Isothermal Vapor Liquid Equilibria of n-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate
pvap	1.44	kPa	443.15	Isothermal Vapor Liquid Equilibria of n-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate
pvap	2.21	kPa	453.15	Isothermal Vapor Liquid Equilibria of n-Tetradecane + Ethyl Hexanoate, Ethyl Decanoate, and Ethyl Tetradecanoate
pvap	0.03	kPa	371.72	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel

pvap	0.02	kPa	363.09	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	7.75e-03	kPa	353.15	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	3.61e-03	kPa	343.19	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	1.47e-03	kPa	333.22	Experimental Vapor Pressures of Five Saturated Fatty Acid Ethyl Ester (FAEE) Components of Biodiesel
pvap	9.33	kPa	492.47	Determination of the vapor pressure of ethyl esters by Differential Scanning Calorimetry
pvap	8.00	kPa	487.01	Determination of the vapor pressure of ethyl esters by Differential Scanning Calorimetry
pvap	6.67	kPa	481.32	Determination of the vapor pressure of ethyl esters by Differential Scanning Calorimetry
pvap	5.33	kPa	476.75	Determination of the vapor pressure of ethyl esters by Differential Scanning Calorimetry
pvap	4.00	kPa	470.26	Determination of the vapor pressure of ethyl esters by Differential Scanning Calorimetry

pvap	2.67	kPa	460.03	Determination of the vapor pressure of ethyl esters by Differential Scanning Calorimetry
pvap	1.33	kPa	446.06	Determination of the vapor pressure of ethyl esters by Differential Scanning Calorimetry
pvap	1.50	kPa	443.82	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
pvap	1.20	kPa	439.10	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
pvap	1.00	kPa	434.91	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
pvap	0.65	kPa	425.69	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
pvap	0.50	kPa	419.65	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
pvap	0.40	kPa	416.10	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa

pvap	0.30	kPa	410.95	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
pvap	0.20	kPa	404.27	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
pvap	0.15	kPa	398.52	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
pvap	0.80	kPa	430.55	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
pvap	0.10	kPa	392.17	Isobaric vapor liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa
rfi	1.42004		333.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.42820		313.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.43026		308.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.42205		328.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.43230		303.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.43432		298.15	Thermophysical properties of fatty acid methyl and ethyl esters

rfi	1.43636		293.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.41010		358.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.41208		353.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.41406		348.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.43841		288.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.41603		343.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.41803		338.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.42407		323.15	Thermophysical properties of fatty acid methyl and ethyl esters
rfi	1.42613		318.15	Thermophysical properties of fatty acid methyl and ethyl esters
rhoI	857.11	kg/m3	298.15	Density, Viscosity, and Refractive Index of Binary Mixtures of Fatty Acid Ethyl Esters with Ethylcyclohexane
rhoI	853.32	kg/m3	303.15	Density, Viscosity, and Refractive Index of Binary Mixtures of Fatty Acid Ethyl Esters with Ethylcyclohexane
rhoI	849.54	kg/m3	308.15	Density, Viscosity, and Refractive Index of Binary Mixtures of Fatty Acid Ethyl Esters with Ethylcyclohexane

rhoI	845.76	kg/m3	313.15	Density, Viscosity, and Refractive Index of Binary Mixtures of Fatty Acid Ethyl Esters with Ethylcyclohexane
rhoI	841.98	kg/m3	318.15	Density, Viscosity, and Refractive Index of Binary Mixtures of Fatty Acid Ethyl Esters with Ethylcyclohexane
rhoI	860.90	kg/m3	293.15	Density, Viscosity, and Refractive Index of Binary Mixtures of Fatty Acid Ethyl Esters with Ethylcyclohexane
rhoI	838.23	kg/m3	323.15	Density, Viscosity, and Refractive Index of Binary Mixtures of Fatty Acid Ethyl Esters with Ethylcyclohexane
tcondI	0.14	W/m×K	350.11	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel
tcondI	0.13	W/m×K	367.97	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel
tcondI	0.13	W/m×K	377.86	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel

tcondl	0.13	W/m×K	389.06	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel	
tcondl	0.13	W/m×K	393.88	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel	
tcondl	0.14	W/m×K	340.99	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel	
tcondl	0.14	W/m×K	333.17	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel	
tcondl	0.14	W/m×K	324.22	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel	
tcondl	0.15	W/m×K	307.33	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel	
tcondl	0.15	W/m×K	298.29	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel	

tcondl	0.15	W/m×K	290.64	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel
tcondl	0.14	W/m×K	359.07	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel
tcondl	0.15	W/m×K	315.20	Measurement on the thermal conductivity of five saturated fatty acid ethyl esters components of biodiesel

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	452.20	K	1.60	NIST Webbook
tfp	286.33	K	0.00	Activity coefficient at infinite dilution, azeotropic data, excess enthalpies and solid liquid-equilibria for binary systems of alkanes and aromatics with esters
tfp	286.36	K	0.00	Activity coefficient at infinite dilution, azeotropic data, excess enthalpies and solid liquid-equilibria for binary systems of alkanes and aromatics with esters

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.51513e+01
Coeff. B	-4.94104e+03
Coeff. C	-9.90960e+01
Temperature range (K), min.	431.52
Temperature range (K), max.	601.25

Datasets

Viscosity, Pa*s

Temperature, K - Liquid	Pressure, kPa - Liquid	Viscosity, Pa*s - Liquid
293.15	101.30	0.0047300
293.15	20000.00	0.0061000
293.15	40000.00	0.0076800
313.15	101.30	0.0029600
313.15	20000.00	0.0037400
313.15	40000.00	0.0046400
313.15	60000.00	0.0056700
313.15	80000.00	0.0068600
313.15	100000.00	0.0082300
333.15	101.30	0.0020300
333.15	20000.00	0.0025300
333.15	40000.00	0.0030900
333.15	60000.00	0.0037300
333.15	80000.00	0.0044600
333.15	100000.00	0.0052700
353.15	101.30	0.0014800
353.15	20000.00	0.0018300
353.15	40000.00	0.0022200
353.15	60000.00	0.0026600
353.15	80000.00	0.0031600

Speed of sound, m/s

Pressure, kPa - Liquid	Temperature, K - Liquid	Speed of sound, m/s - Liquid
100.00	293.15	1360.6
10000.00	293.15	1408.0
20000.00	293.15	1453.3
30000.00	293.15	1494.5
40000.00	293.15	1533.5
50000.00	293.15	1568.2
100.00	303.15	1321.8
10000.00	303.15	1370.9
20000.00	303.15	1416.8
30000.00	303.15	1460.6
40000.00	303.15	1500.8
50000.00	303.15	1539.9
100.00	323.15	1251.8
10000.00	323.15	1304.5
20000.00	323.15	1353.4
30000.00	323.15	1398.6
40000.00	323.15	1441.1
50000.00	323.15	1482.4
60000.00	323.15	1519.7
70000.00	323.15	1555.8
80000.00	323.15	1590.8
90000.00	323.15	1624.6
100000.00	323.15	1655.7
100.00	343.15	1184.7
10000.00	343.15	1241.3
20000.00	343.15	1293.0
30000.00	343.15	1341.9
40000.00	343.15	1386.7
50000.00	343.15	1428.8
60000.00	343.15	1468.1
70000.00	343.15	1506.4
80000.00	343.15	1541.9
90000.00	343.15	1576.2
100000.00	343.15	1609.1

100.00	363.15	1120.0
10000.00	363.15	1181.8
20000.00	363.15	1236.4
30000.00	363.15	1287.1
40000.00	363.15	1334.2
50000.00	363.15	1377.5
60000.00	363.15	1418.8
70000.00	363.15	1457.6
80000.00	363.15	1495.5
90000.00	363.15	1531.0
100000.00	363.15	1564.6
100.00	383.15	1056.9
10000.00	383.15	1122.3
20000.00	383.15	1181.7
30000.00	383.15	1235.6
40000.00	383.15	1284.7
50000.00	383.15	1330.3
60000.00	383.15	1372.3
70000.00	383.15	1412.6
80000.00	383.15	1450.4
90000.00	383.15	1486.9
100000.00	383.15	1521.7
100.00	403.15	996.1
10000.00	403.15	1067.2
20000.00	403.15	1130.3
30000.00	403.15	1186.1
40000.00	403.15	1237.3
50000.00	403.15	1284.9
60000.00	403.15	1327.9
70000.00	403.15	1370.0
80000.00	403.15	1409.7
90000.00	403.15	1447.5
100000.00	403.15	1483.2

Reference

<https://www.doi.org/10.1021/je400122k>

Sources

Density, Viscosity, and Refractive Index of Binary Mixtures of Fatty Acid Ethyl Esters with Ethyl Hexanoate <https://www.doi.org/10.1021/acs.jced.9b00544>

High Pressure Phase Equilibria of the CO₂/Saturated Ethyl Esters <https://www.doi.org/10.1021/acs.jced.7b00780>

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Legend

chl:	Standard liquid enthalpy of combustion
cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
pvap:	Vapor pressure
rfi:	Refractive Index
rhol:	Liquid Density
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
speedsl:	Speed of sound in fluid
tb:	Normal Boiling Point Temperature

tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tcondl:	Liquid thermal conductivity
tf:	Normal melting (fusion) point
tfp:	Melting point
vc:	Critical Volume

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