

Diethyl carbitol

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|-----------------------------|---|
| Other names: | .beta.,.beta.'-diethoxy diethyl ether 1,1'-oxybis[2-ethoxyethane] 1-Ethoxy-2-(«beta»-ethoxyethoxy)ethane 1-Ethoxy-2-(Â«betaÂ»-ethoxyethoxy)ethane 2-(2-Ethoxyethoxy)-1-ethoxyethane 2-Ethoxyethyl ether 3,6,9-Trioxaundecane 3-oxa-1,5-pentanediol, diethyl ether Bis(2-ethoxyethyl) ether Diethyldiethylene glycol Diethylene glycol diethyl ether Diethylether diethylenglykolu Ethane, 1,1'-oxybis[2-ethoxy- Ethanol, 2,2'-oxybis-, diethyl ether Ether, bis(2-ethoxyethyl) Ethyl diglyme |
| Inchi: | InChI=1S/C8H18O3/c1-3-9-5-7-11-8-6-10-4-2/h3-8H2,1-2H3 |
| InchiKey: | RRQYJINTUHWNHW-UHFFFAOYSA-N |
| Formula: | C8H18O3 |
| SMILES: | CCOCCOCOC |
| Mol. weight [g/mol]: | 162.23 |
| CAS: | 112-36-7 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|--------------|--------|----------------|
| gf | -298.52 | kJ/mol | Joback Method |
| hf | -605.11 | kJ/mol | Joback Method |
| hfus | 20.04 | kJ/mol | Joback Method |
| hvap | 58.40 ± 0.04 | kJ/mol | NIST Webbook |
| hvap | 56.40 ± 1.40 | kJ/mol | NIST Webbook |
| log10ws | -0.43 | | Crippen Method |
| logp | 1.076 | | Crippen Method |
| mcvol | 141.190 | ml/mol | McGowan Method |
| pc | 2410.00 | kPa | Joback Method |
| rinpol | 179.46 | | NIST Webbook |
| rinpol | 1058.00 | | NIST Webbook |
| rinpol | 1081.40 | | NIST Webbook |

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|--------|---------------|---------|---------------|
| rinpol | 1081.00 | | NIST Webbook |
| rinpol | 1081.40 | | NIST Webbook |
| rinpol | 1058.00 | | NIST Webbook |
| rinpol | 174.83 | | NIST Webbook |
| tb | 458.20 | K | NIST Webbook |
| tb | 462.15 | K | NIST Webbook |
| tb | 462.15 | K | NIST Webbook |
| tc | 614.00 | K | Joback Method |
| tf | 228.85 | K | NIST Webbook |
| tf | 228.00 ± 2.00 | K | NIST Webbook |
| tf | 228.85 | K | NIST Webbook |
| vc | 0.537 | m3/kmol | Joback Method |

Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---------------|--------|---------|-----------------|---|
| cpg | 376.53 | J/mol×K | 614.00 | Joback Method |
| cpg | 343.25 | J/mol×K | 531.85 | Joback Method |
| cpg | 331.53 | J/mol×K | 504.47 | Joback Method |
| cpg | 319.50 | J/mol×K | 477.08 | Joback Method |
| cpg | 307.19 | J/mol×K | 449.70 | Joback Method |
| cpg | 365.76 | J/mol×K | 586.61 | Joback Method |
| cpg | 354.67 | J/mol×K | 559.23 | Joback Method |
| cpl | 368.90 | J/mol×K | 381.88 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| cpl | 372.15 | J/mol×K | 391.78 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| cpl | 364.85 | J/mol×K | 371.98 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |

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|-----|--------|---------|--------|---|
| cpl | 360.79 | J/mol×K | 362.08 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| cpl | 384.80 | J/mol×K | 421.48 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| cpl | 347.50 | J/mol×K | 298.10 | NIST Webbook |
| cpl | 358.68 | J/mol×K | 352.18 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| cpl | 355.44 | J/mol×K | 342.27 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| cpl | 353.33 | J/mol×K | 332.37 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| cpl | 349.11 | J/mol×K | 312.57 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| cpl | 351.22 | J/mol×K | 322.47 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| cpl | 377.01 | J/mol×K | 401.68 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |

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|-------|-----------|---------|--------|---|
| cpl | 380.75 | J/mol×K | 411.58 | Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene glycol Dialkyl Ethers |
| dvisc | 0.0002860 | Paxs | 382.00 | Joback Method |
| dvisc | 0.0001628 | Paxs | 449.70 | Joback Method |
| dvisc | 0.0004115 | Paxs | 348.15 | Joback Method |
| dvisc | 0.0022330 | Paxs | 246.61 | Joback Method |
| dvisc | 0.0011091 | Paxs | 280.46 | Joback Method |
| dvisc | 0.0006405 | Paxs | 314.31 | Joback Method |
| dvisc | 0.0002109 | Paxs | 415.85 | Joback Method |
| hvapt | 48.30 | kJ/mol | 395.50 | NIST Webbook |
| hvapt | 43.18 | kJ/mol | 273.00 | NIST Webbook |
| pvap | 37.58 | kPa | 428.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 44.45 | kPa | 433.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 31.51 | kPa | 423.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 61.68 | kPa | 443.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 72.21 | kPa | 448.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |

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|------|-------|-----|--------|--|
| pvap | 84.21 | kPa | 453.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 22.08 | kPa | 413.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 15.08 | kPa | 403.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 10.08 | kPa | 393.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 6.69 | kPa | 383.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 4.29 | kPa | 373.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| pvap | 2.61 | kPa | 363.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |

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|------|--------|-------|--------|--|
| pvap | 52.47 | kPa | 438.15 | Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K |
| rhol | 892.90 | kg/m3 | 308.15 | Thermophysical properties of glycols and glymes |
| rhol | 904.70 | kg/m3 | 298.15 | Thermophysical properties of glycols and glymes |
| rhol | 899.80 | kg/m3 | 303.15 | Thermophysical properties of glycols and glymes |
| rhol | 895.00 | kg/m3 | 308.15 | Thermophysical properties of glycols and glymes |
| rhol | 890.10 | kg/m3 | 313.15 | Thermophysical properties of glycols and glymes |
| rhol | 885.30 | kg/m3 | 318.15 | Thermophysical properties of glycols and glymes |
| rhol | 880.40 | kg/m3 | 323.15 | Thermophysical properties of glycols and glymes |
| rhol | 875.60 | kg/m3 | 328.15 | Thermophysical properties of glycols and glymes |
| rhol | 870.70 | kg/m3 | 333.15 | Thermophysical properties of glycols and glymes |
| rhol | 865.90 | kg/m3 | 338.15 | Thermophysical properties of glycols and glymes |
| rhol | 861.00 | kg/m3 | 343.15 | Thermophysical properties of glycols and glymes |
| rhol | 856.10 | kg/m3 | 348.15 | Thermophysical properties of glycols and glymes |
| rhol | 851.20 | kg/m3 | 353.15 | Thermophysical properties of glycols and glymes |

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|------|--------|-------|--------|---|
| rhol | 846.30 | kg/m3 | 358.15 | Thermophysical properties of glycols and glymes |
| rhol | 841.40 | kg/m3 | 363.15 | Thermophysical properties of glycols and glymes |
| rhol | 836.50 | kg/m3 | 368.15 | Thermophysical properties of glycols and glymes |
| rhol | 831.60 | kg/m3 | 373.15 | Thermophysical properties of glycols and glymes |
| rhol | 917.00 | kg/m3 | 283.15 | Thermophysical properties of glycols and glymes |
| rhol | 912.20 | kg/m3 | 288.15 | Thermophysical properties of glycols and glymes |
| rhol | 907.40 | kg/m3 | 293.15 | Thermophysical properties of glycols and glymes |
| rhol | 902.60 | kg/m3 | 298.15 | Thermophysical properties of glycols and glymes |
| rhol | 897.70 | kg/m3 | 303.15 | Thermophysical properties of glycols and glymes |
| rhol | 909.60 | kg/m3 | 293.15 | Thermophysical properties of glycols and glymes |
| rhol | 888.10 | kg/m3 | 313.15 | Thermophysical properties of glycols and glymes |
| rhol | 878.40 | kg/m3 | 323.15 | Thermophysical properties of glycols and glymes |
| rhol | 868.70 | kg/m3 | 333.15 | Thermophysical properties of glycols and glymes |
| rhol | 858.90 | kg/m3 | 343.15 | Thermophysical properties of glycols and glymes |

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|------|--------|-------|--------|---|
| rhol | 893.08 | kg/m3 | 308.50 | Excess Molar Enthalpies and Hydrogen Bonding in Binary Mixtures Containing Ethers and Benzyl Alcohol at 308.15 K and Atmospheric Pressure |
| rhol | 916.36 | kg/m3 | 283.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 915.39 | kg/m3 | 284.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 914.43 | kg/m3 | 285.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 913.46 | kg/m3 | 286.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 912.50 | kg/m3 | 287.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |

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|------|--------|-------|--------|--|
| rhol | 911.53 | kg/m3 | 288.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 910.57 | kg/m3 | 289.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 909.60 | kg/m3 | 290.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 908.63 | kg/m3 | 291.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 907.67 | kg/m3 | 292.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 906.71 | kg/m3 | 293.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |

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|------|--------|-------|--------|--|
| rhol | 905.75 | kg/m3 | 294.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 904.78 | kg/m3 | 295.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 903.81 | kg/m3 | 296.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 902.85 | kg/m3 | 297.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 901.88 | kg/m3 | 298.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 900.92 | kg/m3 | 299.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |

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|------|--------|-------|--------|--|
| rhol | 899.95 | kg/m3 | 300.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 898.98 | kg/m3 | 301.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 898.02 | kg/m3 | 302.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 897.05 | kg/m3 | 303.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 896.08 | kg/m3 | 304.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 895.12 | kg/m3 | 305.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |

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|------|--------|-------|--------|--|
| rhol | 894.15 | kg/m3 | 306.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 893.18 | kg/m3 | 307.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 892.21 | kg/m3 | 308.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 891.25 | kg/m3 | 309.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 890.28 | kg/m3 | 310.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 889.31 | kg/m3 | 311.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |

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|------|--------|-------|--------|--|
| rhol | 888.34 | kg/m3 | 312.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 887.37 | kg/m3 | 313.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 886.40 | kg/m3 | 314.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 885.43 | kg/m3 | 315.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 884.46 | kg/m3 | 316.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 883.48 | kg/m3 | 317.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |

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|------|--------|-------|--------|--|
| rhol | 882.51 | kg/m3 | 318.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 881.54 | kg/m3 | 319.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 880.57 | kg/m3 | 320.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 879.60 | kg/m3 | 321.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 878.63 | kg/m3 | 322.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 877.66 | kg/m3 | 323.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |

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|------|--------|-------|--------|--|
| rhol | 876.70 | kg/m3 | 324.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 914.40 | kg/m3 | 288.15 | Thermophysical properties of glycols and glymes |
| rhol | 874.75 | kg/m3 | 326.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 873.78 | kg/m3 | 327.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 872.81 | kg/m3 | 328.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 871.84 | kg/m3 | 329.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 870.87 | kg/m3 | 330.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |

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|------|--------|-------|--------|--|
| rhol | 869.89 | kg/m3 | 331.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 868.92 | kg/m3 | 332.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 867.94 | kg/m3 | 333.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| rhol | 916.30 | kg/m3 | 283.15 | Below the room temperature measurements of CO2 solubilities in six physical absorbents |
| rhol | 926.40 | kg/m3 | 273.15 | Below the room temperature measurements of CO2 solubilities in six physical absorbents |
| rhol | 897.22 | kg/m3 | 303.15 | Thermodynamics of 1-alkanol + linear polyether mixtures |
| rhol | 902.88 | kg/m3 | 298.15 | Thermodynamics of 1-alkanol + linear polyether mixtures |
| rhol | 906.73 | kg/m3 | 293.15 | Thermodynamics of 1-alkanol + linear polyether mixtures |
| rhol | 902.76 | kg/m3 | 298.15 | Speeds of Sound and Isentropic Compressibilities of n-Alkoxyethanols and Polyethers with Propylamine at 298.15K |

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|------------------|--------|-------------------|--------|--|
| rh _{ol} | 875.73 | kg/m ³ | 325.15 | Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyethers from (283.15 to 333.15) K and at Atmospheric Pressure |
| srf | 0.03 | N/m | 293.15 | Physical-Chemical Properties and Liquid-Liquid Equilibria for Binary Mixture of Diethylene Glycol Diethyl Ether with Water |

Correlations

| Information | Value |
|-----------------------------|-------------------------------|
| Property code | pvap |
| Equation | $\ln(P_{vp}) = A + B/(T + C)$ |
| Coeff. A | 1.65189e+01 |
| Coeff. B | -5.34545e+03 |
| Coeff. C | -1.29720e+01 |
| Temperature range (K), min. | 342.30 |
| Temperature range (K), max. | 489.93 |

Sources

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|--|---|
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| Fast Determination of Binary Vapor Liquid Equilibrium of CO₂-Based Mixtures at Elevated Pressures and Hydrogen Bonding in Binary Mixtures Containing Ethylene Glycol Diethyl Ether and 1,3-Oleic Acid polyether mixtures Pressure: | https://www.doi.org/10.1021/je501023n |
| Crippen Method: | https://www.doi.org/10.1021/je0504212 |
| Physical-Chemical Properties and Liquid-Liquid Equilibria for Binary Solubilities of CO₂ and pure alcohols, Ethoxyethyl Ether, 2-butoxyethyl acetate and 2-(2-butoxyethoxy)ethyl ethers: | https://www.doi.org/10.1016/j.jct.2012.12.007 |
| Volumetric Properties of Binary Mixtures of 1,2-Dichloroethane with Polyether Method (283.15 to 333.15) K and at Atmospheric Pressure: | https://www.chemeo.com/doc/models/crippen_log10ws |
| Vapor Pressures of Morpholine, Diethyl Methylmalonate, and Five Glycol Ethers at Temperatures up to 473.15 K: | https://www.doi.org/10.1021/je049627d |

NIST Webbook:**The Yaws Handbook of Vapor Pressure:****Below the room temperature measurements of CO₂ solubilities in Liquid Densities, Kinematic Viscosities, and Heat Capacities of Some Alkylene Glycopolymers and Ethers:****Speeds of Sound and Isentropic Compressibilities of n-Alkoxyethanols and Polyethers with Propylamine at 298.15K:**<http://webbook.nist.gov/cgi/cbook.cgi?ID=C112367&Units=SI><https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure><https://www.doi.org/10.1016/j.jct.2018.03.009><https://www.doi.org/10.1021/je025606c><http://pubs.acs.org/doi/abs/10.1021/ci990307l><https://www.doi.org/10.1007/s10765-006-0047-0>

Legend

| | |
|-----------------|---|
| cpg: | Ideal gas heat capacity |
| cpl: | Liquid phase heat capacity |
| dvisc: | Dynamic viscosity |
| gf: | Standard Gibbs free energy of formation |
| hf: | Enthalpy of formation at standard conditions |
| hfus: | Enthalpy of fusion at standard conditions |
| 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 |
| rhol: | Liquid Density |
| rinpol: | Non-polar retention indices |
| srf: | Surface Tension |
| tb: | Normal Boiling Point Temperature |
| tc: | Critical Temperature |
| tf: | Normal melting (fusion) point |
| vc: | Critical Volume |

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