

# Octadecanoic acid

|              |                              |
|--------------|------------------------------|
| Other names: | 1-Heptadecanecarboxylic acid |
|              | Adeka Fatty Acid SA 910      |
|              | Barolub FTA                  |
|              | Century 1210                 |
|              | Century 1220                 |
|              | Century 1224                 |
|              | Century 1230                 |
|              | Century 1240                 |
|              | Cetylacetic acid             |
|              | Dar-chem 14                  |
|              | Edenor C18                   |
|              | Emersol 120                  |
|              | Emersol 132                  |
|              | Emersol 150                  |
|              | Emersol 153                  |
|              | Emersol 6349                 |
|              | Formula 300                  |
|              | Glycon DP                    |
|              | Glycon S-70                  |
|              | Glycon S-80                  |
|              | Glycon S-90                  |
|              | Glycon TP                    |
|              | Groco 54                     |
|              | Groco 55                     |
|              | Groco 55L                    |
|              | Groco 58                     |
|              | Groco 59                     |
|              | Heptadecanecarboxylic acid   |
|              | Humko Industrene R           |
|              | Hy-phi 1199                  |
|              | Hy-phi 1205                  |
|              | Hy-phi 1303                  |
|              | Hy-phi 1401                  |
|              | Hydrofol 1895                |
|              | Hydrofol Acid 150            |
|              | Hydrofol Acid 1895           |
|              | Hydrofol acid 1655           |
|              | Hydrofol acid 1855           |
|              | Hystrene 4516                |
|              | Hystrene 5016                |

Hystrene 7018  
Hystrene 7018 FG  
Hystrene 80  
Hystrene 9718  
Hystrene 9718 NF FG  
Hystrene S-97  
Hystrene T-70  
Industrene 4518  
Industrene 5016  
Industrene 7018 FG  
Industrene 8718  
Industrene 9018  
Industrene R  
Kam 1000  
Kam 2000  
Kam 3000  
Kiri stearic acid  
Loxiol G 20  
Lunac S 20  
Lunac S 40  
N-STEARIC ACID  
NAA 173  
Neo-Fat 18  
Neo-Fat 18-53  
Neo-Fat 18-54  
Neo-Fat 18-55  
Neo-Fat 18-59  
Neo-Fat 18-S  
Neo-fat 18-61  
Octadecanoic acid (stearic acid)  
PD 185  
Pearl stearic  
Prifac 2918  
Pristerene 4904  
Promulsin  
Proviscol wax  
SA 400 (fatty acid)  
Stearex  
Stearex Beads  
Stearic acid  
Stearophanic acid  
Steric acid  
Tegostearic 254

Tegostearic 255  
 Tegostearic 272  
 Tsubaki  
 Vanicol  
 Vis-Plus  
 WO 2 (fatty acid)  
 n-Octadecanoic acid  
 n-Octadecylic acid  
**Inchi:** InChI=1S/C18H36O2/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18(19)20/h2-17H2,1H  
**InchiKey:** QIQXTHQIDYTFRH-UHFFFAOYSA-N  
**Formula:** C18H36O2  
**SMILES:** CCCCCCCCCCCCCCCCCC(=O)O  
**Mol. weight [g/mol]:** 284.48  
**CAS:** 57-11-4

## Physical Properties

| Property code | Value               | Unit   | Source                                                                                                                       |
|---------------|---------------------|--------|------------------------------------------------------------------------------------------------------------------------------|
| chl           | -11280.10 ± 1.90    | kJ/mol | NIST Webbook                                                                                                                 |
| chl           | -11336.80 ± 2.10    | kJ/mol | NIST Webbook                                                                                                                 |
| chs           | -11290.79           | kJ/mol | NIST Webbook                                                                                                                 |
| chs           | -11271.00 ± 13.00   | kJ/mol | NIST Webbook                                                                                                                 |
| chs           | -11298.00           | kJ/mol | NIST Webbook                                                                                                                 |
| chs           | -11316.00 ± 11.00   | kJ/mol | NIST Webbook                                                                                                                 |
| gf            | -165.06             | kJ/mol | Joback Method                                                                                                                |
| hf            | -819.10 ± 5.50      | kJ/mol | NIST Webbook                                                                                                                 |
| hfl           | -947.20 ± 2.20      | kJ/mol | NIST Webbook                                                                                                                 |
| hfs           | -912.00 ± 11.00     | kJ/mol | NIST Webbook                                                                                                                 |
| hfus          | 61.20               | kJ/mol | Solid-Liquid Equilibrium of Binary Systems Containing Fatty Acids and Fatty Alcohols Using Differential Scanning Calorimetry |
| hsub          | 204.00 ± 9.00       | kJ/mol | NIST Webbook                                                                                                                 |
| hvap          | 79.09               | kJ/mol | Joback Method                                                                                                                |
| log10ws       | -5.68               |        | Aqueous Solubility Prediction Method                                                                                         |
| logp          | 6.333               |        | Crippen Method                                                                                                               |
| mcvol         | 271.920             | ml/mol | McGowan Method                                                                                                               |
| pc            | 1326.58 ± 85.00     | kPa    | NIST Webbook                                                                                                                 |
| pt            | 4.27e-06 ± 2.00e-06 | kPa    | NIST Webbook                                                                                                                 |
| rinpol        | 2169.00             |        | NIST Webbook                                                                                                                 |

|        |         |              |
|--------|---------|--------------|
| rinpol | 2157.00 | NIST Webbook |
| rinpol | 2178.00 | NIST Webbook |
| rinpol | 2173.00 | NIST Webbook |
| rinpol | 2153.00 | NIST Webbook |
| rinpol | 2179.00 | NIST Webbook |
| rinpol | 2161.00 | NIST Webbook |
| rinpol | 2192.00 | NIST Webbook |
| rinpol | 2170.00 | NIST Webbook |
| rinpol | 2170.00 | NIST Webbook |
| rinpol | 2188.00 | NIST Webbook |
| rinpol | 2158.00 | NIST Webbook |
| rinpol | 2162.00 | NIST Webbook |
| rinpol | 2187.00 | NIST Webbook |
| rinpol | 2178.00 | NIST Webbook |
| rinpol | 2180.00 | NIST Webbook |
| rinpol | 2180.00 | NIST Webbook |
| rinpol | 2166.00 | NIST Webbook |
| rinpol | 2172.00 | NIST Webbook |
| rinpol | 2174.00 | NIST Webbook |
| rinpol | 2157.00 | NIST Webbook |
| rinpol | 2172.00 | NIST Webbook |
| rinpol | 2172.00 | NIST Webbook |
| rinpol | 2173.00 | NIST Webbook |
| rinpol | 2172.00 | NIST Webbook |
| rinpol | 2164.00 | NIST Webbook |
| rinpol | 2172.00 | NIST Webbook |
| rinpol | 2178.00 | NIST Webbook |
| rinpol | 2139.00 | NIST Webbook |
| rinpol | 2142.00 | NIST Webbook |
| rinpol | 2138.54 | NIST Webbook |
| rinpol | 2175.00 | NIST Webbook |
| rinpol | 2180.00 | NIST Webbook |
| rinpol | 2200.00 | NIST Webbook |
| rinpol | 2137.00 | NIST Webbook |
| rinpol | 2177.00 | NIST Webbook |
| rinpol | 2177.00 | NIST Webbook |
| rinpol | 2159.00 | NIST Webbook |
| rinpol | 2161.00 | NIST Webbook |
| rinpol | 2143.00 | NIST Webbook |
| rinpol | 2153.00 | NIST Webbook |
| rinpol | 2163.00 | NIST Webbook |
| rinpol | 2137.00 | NIST Webbook |
| rinpol | 2177.00 | NIST Webbook |
| rinpol | 2177.00 | NIST Webbook |

|        |         |              |
|--------|---------|--------------|
| rinpol | 2173.00 | NIST Webbook |
| rinpol | 2169.00 | NIST Webbook |
| rinpol | 2167.50 | NIST Webbook |
| rinpol | 2180.00 | NIST Webbook |
| rinpol | 2152.00 | NIST Webbook |
| rinpol | 2157.00 | NIST Webbook |
| rinpol | 2158.00 | NIST Webbook |
| rinpol | 2160.00 | NIST Webbook |
| rinpol | 2162.00 | NIST Webbook |
| rinpol | 2181.00 | NIST Webbook |
| rinpol | 2178.00 | NIST Webbook |
| rinpol | 2172.00 | NIST Webbook |
| rinpol | 2180.00 | NIST Webbook |
| rinpol | 2170.00 | NIST Webbook |
| rinpol | 2137.00 | NIST Webbook |
| rinpol | 2152.00 | NIST Webbook |
| rinpol | 2168.00 | NIST Webbook |
| rinpol | 2142.00 | NIST Webbook |
| rinpol | 2155.00 | NIST Webbook |
| rinpol | 2178.00 | NIST Webbook |
| rinpol | 2161.00 | NIST Webbook |
| rinpol | 2155.00 | NIST Webbook |
| rinpol | 2180.00 | NIST Webbook |
| rinpol | 2155.00 | NIST Webbook |
| rinpol | 2200.00 | NIST Webbook |
| rinpol | 2187.00 | NIST Webbook |
| rinpol | 2139.00 | NIST Webbook |
| rinpol | 2137.00 | NIST Webbook |
| rinpol | 2162.00 | NIST Webbook |
| rinpol | 2164.00 | NIST Webbook |
| rinpol | 2172.00 | NIST Webbook |
| rinpol | 2180.00 | NIST Webbook |
| rinpol | 2173.00 | NIST Webbook |
| rinpol | 2177.00 | NIST Webbook |
| rinpol | 2140.00 | NIST Webbook |
| rinpol | 2174.00 | NIST Webbook |
| rinpol | 352.98  | NIST Webbook |
| rinpol | 366.90  | NIST Webbook |
| rinpol | 350.90  | NIST Webbook |
| rinpol | 2177.00 | NIST Webbook |
| rinpol | 352.98  | NIST Webbook |
| rinpol | 2180.00 | NIST Webbook |
| rinpol | 351.12  | NIST Webbook |
| ripol  | 3181.00 | NIST Webbook |

|       |               |         |                                                                                                                                                                           |
|-------|---------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ripol | 3120.00       |         | NIST Webbook                                                                                                                                                              |
| ripol | 3181.00       |         | NIST Webbook                                                                                                                                                              |
| ripol | 3090.00       |         | NIST Webbook                                                                                                                                                              |
| ripol | 3181.00       |         | NIST Webbook                                                                                                                                                              |
| ripol | 3104.00       |         | NIST Webbook                                                                                                                                                              |
| ripol | 3130.00       |         | NIST Webbook                                                                                                                                                              |
| ripol | 3132.00       |         | NIST Webbook                                                                                                                                                              |
| ripol | 3136.00       |         | NIST Webbook                                                                                                                                                              |
| ss    | 435.60        | J/mol×K | NIST Webbook                                                                                                                                                              |
| tb    | 634.20        | K       | NIST Webbook                                                                                                                                                              |
| tb    | 631.15 ± 5.00 | K       | NIST Webbook                                                                                                                                                              |
| tc    | 805.09 ± 3.50 | K       | NIST Webbook                                                                                                                                                              |
| tf    | 342.58        | K       | Aqueous Solubility Prediction Method                                                                                                                                      |
| tf    | 343.63        | K       | Solid-liquid phase equilibrium diagrams of binary mixtures containing fatty acids, fatty alcohol compounds and tripalmitin using differential scanning calorimetry        |
| tf    | 343.98        | K       | The solid liquid phase diagrams of binary mixtures of even saturated fatty acids differing by six carbon atoms                                                            |
| tf    | 326.15        | K       | Preparation of paraffin and fatty acid phase changing nanoemulsions for heat transfer                                                                                     |
| tf    | 327.17        | K       | Thermal analysis and quantitative characterization of compatibility between diflunisal and lipid excipients as raw materials for development of solid lipid nanoparticles |
| tf    | 341.55        | K       | Prediction of the properties of eutectic fatty acid phase change materials                                                                                                |
| tf    | 343.10        | K       | Solid Liquid Equilibria in the Binary Systems of Saturated Fatty Acids or Triglycerides (C12 to C18) + Hexadecane                                                         |
| tf    | 341.91        | K       | Solid-Liquid Equilibrium of Binary Fatty Acid Mixtures                                                                                                                    |
| tf    | 342.90        | K       | Study of the Effect of Pressure on Melting Behavior of Saturated Fatty Acids in Liquid or Supercritical Carbon Dioxide                                                    |

|    |               |         |                                                                                                                                              |
|----|---------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------|
| tf | 343.67        | K       | Measurement and PC-SAFT modeling of solid-liquid equilibrium of deep eutectic solvents of quaternary ammonium chlorides and carboxylic acids |
| tt | 325.66        | K       | High latent heat stearic acid impregnated in expanded graphite                                                                               |
| tt | 344.08        | K       | Solubility Measurement of Lauric, Palmitic, and Stearic Acids in Ethanol, n-Propanol, and 2-Propanol Using Differential Scanning Calorimetry |
| tt | 342.49 ± 0.02 | K       | NIST Webbook                                                                                                                                 |
| tt | 341.85 ± 0.50 | K       | NIST Webbook                                                                                                                                 |
| tt | 342.65 ± 0.01 | K       | NIST Webbook                                                                                                                                 |
| vc | 1.069         | m3/kmol | Joback Method                                                                                                                                |

## Temperature Dependent Properties

| Property code | Value     | Unit    | Temperature [K] | Source        |
|---------------|-----------|---------|-----------------|---------------|
| cpg           | 912.95    | J/mol×K | 901.59          | Joback Method |
| cpg           | 852.51    | J/mol×K | 786.15          | Joback Method |
| cpg           | 868.77    | J/mol×K | 815.01          | Joback Method |
| cpg           | 884.24    | J/mol×K | 843.87          | Joback Method |
| cpg           | 898.96    | J/mol×K | 872.73          | Joback Method |
| cpg           | 926.26    | J/mol×K | 930.44          | Joback Method |
| cpg           | 835.45    | J/mol×K | 757.29          | Joback Method |
| cps           | 501.55    | J/mol×K | 298.15          | NIST Webbook  |
| cps           | 561.90    | J/mol×K | 298.15          | NIST Webbook  |
| dvisc         | 0.0001211 | Pa×s    | 580.33          | Joback Method |
| dvisc         | 0.0002628 | Pa×s    | 521.34          | Joback Method |
| dvisc         | 0.0006944 | Pa×s    | 462.36          | Joback Method |
| dvisc         | 0.0000245 | Pa×s    | 757.29          | Joback Method |
| dvisc         | 0.0000381 | Pa×s    | 698.30          | Joback Method |
| dvisc         | 0.0000644 | Pa×s    | 639.32          | Joback Method |
| dvisc         | 0.0024382 | Pa×s    | 403.37          | Joback Method |
| hfust         | 63.20     | kJ/mol  | 342.80          | NIST Webbook  |
| hfust         | 57.80     | kJ/mol  | 344.10          | NIST Webbook  |
| hfust         | 50.93     | kJ/mol  | 340.20          | NIST Webbook  |
| hfust         | 61.21     | kJ/mol  | 342.50          | NIST Webbook  |
| hfust         | 61.21     | kJ/mol  | 342.50          | NIST Webbook  |

|       |               |        |        |                                                                                          |
|-------|---------------|--------|--------|------------------------------------------------------------------------------------------|
| hfust | 68.45         | kJ/mol | 342.65 | NIST Webbook                                                                             |
| hfust | 60.40         | kJ/mol | 338.30 | NIST Webbook                                                                             |
| hfust | 61.30         | kJ/mol | 342.75 | NIST Webbook                                                                             |
| hfust | 64.64         | kJ/mol | 326.10 | NIST Webbook                                                                             |
| hsubt | 158.50        | kJ/mol | 300.00 | NIST Webbook                                                                             |
| hsubt | 158.00        | kJ/mol | 307.50 | NIST Webbook                                                                             |
| hsubt | 166.50 ± 4.20 | kJ/mol | 335.50 | NIST Webbook                                                                             |
| hsubt | 167.00 ± 4.20 | kJ/mol | 330.89 | NIST Webbook                                                                             |
| hvapt | 124.30        | kJ/mol | 382.00 | NIST Webbook                                                                             |
| hvapt | 132.60        | kJ/mol | 298.00 | Vapor Pressures and Vaporization, Sublimation, and Fusion Enthalpies of Some Fatty Acids |
| hvapt | 100.60        | kJ/mol | 553.00 | NIST Webbook                                                                             |
| hvapt | 118.90 ± 2.00 | kJ/mol | 377.50 | NIST Webbook                                                                             |
| hvapt | 79.80         | kJ/mol | 515.00 | NIST Webbook                                                                             |
| pvap  | 1.33          | kPa    | 501.30 | Vapor pressure data for fatty acids obtained using an adaptation of the DSC technique    |
| pvap  | 8.00          | kPa    | 548.70 | Vapor pressure data for fatty acids obtained using an adaptation of the DSC technique    |
| pvap  | 9.33          | kPa    | 553.20 | Vapor pressure data for fatty acids obtained using an adaptation of the DSC technique    |
| pvap  | 6.67          | kPa    | 543.70 | Vapor pressure data for fatty acids obtained using an adaptation of the DSC technique    |
| pvap  | 5.33          | kPa    | 535.90 | Vapor pressure data for fatty acids obtained using an adaptation of the DSC technique    |
| pvap  | 4.00          | kPa    | 528.90 | Vapor pressure data for fatty acids obtained using an adaptation of the DSC technique    |



|       |         |         |        |                                                                                       |
|-------|---------|---------|--------|---------------------------------------------------------------------------------------|
| pvap  | 2.67    | kPa     | 519.10 | Vapor pressure data for fatty acids obtained using an adaptation of the DSC technique |
| sfust | 178.80  | J/mol×K | 342.75 | NIST Webbook                                                                          |
| sfust | 1998.00 | J/mol×K | 342.65 | NIST Webbook                                                                          |
| sfust | 198.00  | J/mol×K | 326.10 | NIST Webbook                                                                          |

## Correlations

| Information                 | Value                         |
|-----------------------------|-------------------------------|
| Property code               | pvap                          |
| Equation                    | $\ln(P_{vp}) = A + B/(T + C)$ |
| Coeff. A                    | 1.62589e+01                   |
| Coeff. B                    | -6.06525e+03                  |
| Coeff. C                    | -1.21641e+02                  |
| Temperature range (K), min. | 501.40                        |
| Temperature range (K), max. | 675.67                        |

| Information                 | Value                                      |
|-----------------------------|--------------------------------------------|
| Property code               | pvap                                       |
| Equation                    | $\ln(P_{vp}) = A + B/T + C*\ln(T) + D*T^2$ |
| Coeff. A                    | 1.29855e+02                                |
| Coeff. B                    | -1.68057e+04                               |
| Coeff. C                    | -1.56000e+01                               |
| Coeff. D                    | 4.06439e-06                                |
| Temperature range (K), min. | 342.75                                     |
| Temperature range (K), max. | 799.00                                     |

## Sources

Solid Liquid Equilibria in the Binary Systems of Saturated Fatty Acids or Meas. of Heat and Correlation of the Solid-Liquid-Gas Equilibria for Carbon Dioxide, Carbon Monoxide, and Nitrogen Sublimation and Fusion Enthalpies of Some Organic Solids (or fatty acids obtained using an adaptation of the DSC technique) at infinite dilution measurements for organic solutes Prediction of the properties of eutectic binary and non-binary in fatty compounds Part I: C10 fatty acids:

- <https://www.doi.org/10.1021/acs.jced.6b00355>
- <https://www.doi.org/10.1021/je9005272>
- <https://www.doi.org/10.1021/je300902c>
- <https://www.doi.org/10.1016/j.tca.2012.07.034>
- <https://www.doi.org/10.1016/j.jct.2012.12.009>
- <https://www.doi.org/10.1016/j.tca.2017.12.024>

Solubility and Mass Transfer  
Coefficient Enhancement of Stearic  
Acid in Supercritical Carbon Dioxide by Hydrophobicity:

Solubilities of Stearic Acid in Organic  
Solvents and in Azeotropic Solvent  
Mixtures:  
Preparation of paraffin and fatty acid  
phase changing nanoemulsions for  
high latent heat stearic acid  
impregnated in expanded graphite:  
Experimental determination of the  
(vapor + liquid) equilibrium data of  
Study of the Effect of Pressure on  
Melting Behaviour of Saturated Fatty  
Acids in Liquid CO<sub>2</sub> Systems  
Carbon dioxide as solvent for fatty acid  
mixtures: the edible oil industry:  
Viscosity and Density Prediction Method:  
systems formed by (triacylglycerol +  
solid-liquid equilibrium of binary fatty  
acid mixtures:  
Solubility Measurement of Lauric,  
Palmitic, and Stearic Acids in Ethanol,  
Methanol, and 1-Propanol using  
of solid-liquid equilibrium of deep  
cooled solvents of quaternary  
systems containing fatty acids and  
alcohols using Differential  
Scanning Calorimetry:  
KDB Vapor Pressure Data:

Apparent Molar Volumes and  
Viscosities of Lauric, Palmitic, and  
Stearic Acids in 1-Propanol at 20, 30, 40,  
and 50 °C:  
Characterization of compatibility  
between monofunctional and copolymers  
Octadecanoic Acids in Supercritical  
CO<sub>2</sub> with and without cosolvents:  
Triglycerides in 1-Bromopropane:  
Solubilities of palmitic and stearic fatty  
acids in supercritical carbon dioxide:  
Joback Method:

Phase Equilibria of Long-Chain  
Carboxylic Acids in Supercritical  
CO<sub>2</sub>:  
The Yaws Handbook of Vapor  
Pressure:  
Solid-liquid phase equilibrium  
diagrams of binary mixtures containing  
fatty acids:  
The solid-liquid phase diagrams of  
binary mixtures of saturated fatty  
acids:  
NIST Webbook:

<https://www.doi.org/10.1021/je901041n>

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

<https://www.doi.org/10.1021/je7006567>

<https://www.doi.org/10.1016/j.tca.2014.12.020>

<https://www.doi.org/10.1016/j.tca.2018.03.018>

<https://www.doi.org/10.1016/j.jct.2009.07.008>

<https://www.doi.org/10.1021/je400260c>

<https://www.doi.org/10.1016/j.jct.2017.06.012>

<http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDataset002.xlsx>

<https://www.doi.org/10.1021/je060146z>

<https://www.doi.org/10.1021/acs.jced.8b01044>

<https://www.doi.org/10.1016/j.fluid.2017.04.007>

<https://www.doi.org/10.1021/acs.jced.8b01006>

<http://link.springer.com/article/10.1007/BF02311772>

<https://www.cheric.org/research/kdb/hcprop/showprop.php?cmpid=952>

<https://www.doi.org/10.1021/je025538u>

<https://www.doi.org/10.1016/j.tca.2016.09.014>

<https://www.doi.org/10.1021/je8007149>

<https://www.doi.org/10.1021/je201181k>

<https://www.doi.org/10.1016/j.jct.2009.08.001>

[https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)

<https://www.doi.org/10.1021/je101077v>

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>

<https://www.doi.org/10.1016/j.fluid.2019.05.020>

<https://www.doi.org/10.1016/j.tca.2009.06.018>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C57114&Units=SI>

## Legend

|        |                                                           |
|--------|-----------------------------------------------------------|
| chl:   | Standard liquid enthalpy of combustion                    |
| chs:   | Standard solid enthalpy of combustion                     |
| cpg:   | Ideal gas heat capacity                                   |
| cps:   | Solid phase heat capacity                                 |
| 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 |
| hfs:   | Solid 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            |

|                 |                                                  |
|-----------------|--------------------------------------------------|
| <b>hsubt:</b>   | Enthalpy of sublimation at a given temperature   |
| <b>hvap:</b>    | Enthalpy of vaporization at standard conditions  |
| <b>hvapt:</b>   | Enthalpy of vaporization at a given temperature  |
| <b>log10ws:</b> | Log10 of Water solubility in mol/l               |
| <b>logp:</b>    | Octanol/Water partition coefficient              |
| <b>mcvol:</b>   | McGowan's characteristic volume                  |
| <b>pc:</b>      | Critical Pressure                                |
| <b>pt:</b>      | Triple Point Pressure                            |
| <b>pvap:</b>    | Vapor pressure                                   |
| <b>rinpol:</b>  | Non-polar retention indices                      |
| <b>ripol:</b>   | Polar retention indices                          |
| <b>sfust:</b>   | Entropy of fusion at a given temperature         |
| <b>ss:</b>      | Solid phase molar entropy at standard conditions |
| <b>tb:</b>      | Normal Boiling Point Temperature                 |
| <b>tc:</b>      | Critical Temperature                             |
| <b>tf:</b>      | Normal melting (fusion) point                    |
| <b>tt:</b>      | Triple Point Temperature                         |
| <b>vc:</b>      | Critical Volume                                  |

Latest version available from:

<https://www.cheméo.com/cid/30-684-9/Octadecanoic-acid.pdf>

Generated by Cheméo on 2025-12-23 06:32:04.414163885 +0000 UTC m=+6219721.944204549.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.