# Chapter 8 DENSITY OF LIQUID

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**ABSTRACT**

Results for saturated liquid density as a function of temperature are presented for major organic and inorganic chemicals. The results are displayed in easy-to-use tabulations that are especially applicable for rapid engineering usage with the personal computer or hand calculator.

**INTRODUCTION**

Liquid density data are important in process engineering design, such as sizing of storage vessels that contain the basic raw materials and products for a plant. In distillation, stripping and absorption, liquid density data are required in the determination of flooding and calculation of column diameter. Additional usage is encountered in various heat, mass, and momentum transfer operations. In this article, results for liquid density as a function of temperature are presented for a wide variety of chemicals.

**LIQUID DENSITY CORRELATION**

The modified form of the Rackett equation was selected for correlation of saturated liquid density as a function of temperature:

density = A B-(1-Tffc)"

where density= saturated liquid density, g/ml

A, B, and n = regression coefficients for chemical compound T = temperature, K

Tc = critical temperature, K

(8-1)

The results for saturated liquid density are given in Tables 8-1 and 8-2. The compilation is based on screening appropriate data source publications for organics (1-40) and inorganics (1-120). Both experimental values for the property under consideration and parameter values for estimation of the property are included in the source publications. The tabulation is arranged by chemical formula to provide ease of use in quickly locating data. The temperature range for which the equation may be used is denoted by TMIN and TMAX. For many of the compounds, the temperature range corresponds to the freezing point and critical point. Values for liquid density at 25 C are provided in the last column.

A comparison of calculations and data for saturated liquid density is shown in Fig. 8-1 for a representative chemical. The graph indicates good agreement of calculations and data.

**EXAMPLES**

The correlation results may be used for prediction and calculation of liquid density. Examples are given below .

**Example 1** Estimate the liquid density of methanol (CH4O) at -20 C (253.15 K).

Substitution of the coefficients from the table and the temperature into the equation for liquid

density yields

\_0 2331

density= (0.27197) (0.27192< 1- 253 · 1 5 15 1 2· 58 ) )

density = 0.826 g/ml

The calculated and data values compare favorably (0.826 vs 0.829, deviation= 0.4%).

**Example 2** Estimate the liquid density of methyl chloride (CH3CI) at 100 C (373.15 K).

Substitution of the coefficients from the table and the temperature into the equation for liquid

density yields

\_0 2 869

density = (0.35821) (0.26109• < 1- 373 · 1 5 14 1 6· 25 ) )

density= 0.722 g/ml

The calculated and data values compare favorably (0.722 vs 0.725, deviation= 0.4%).

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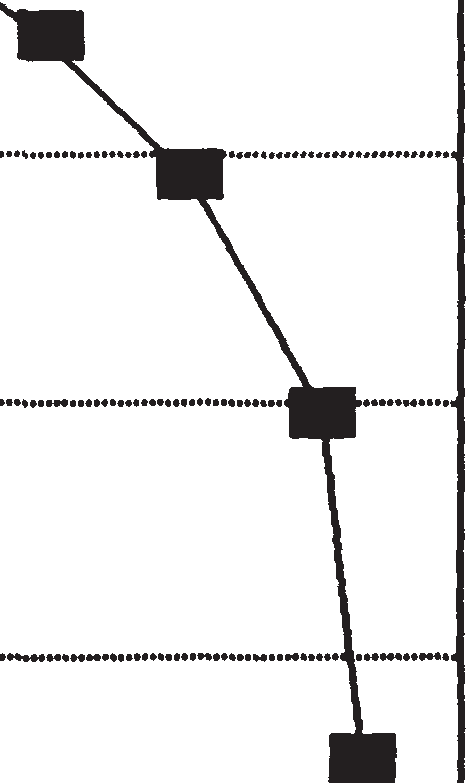
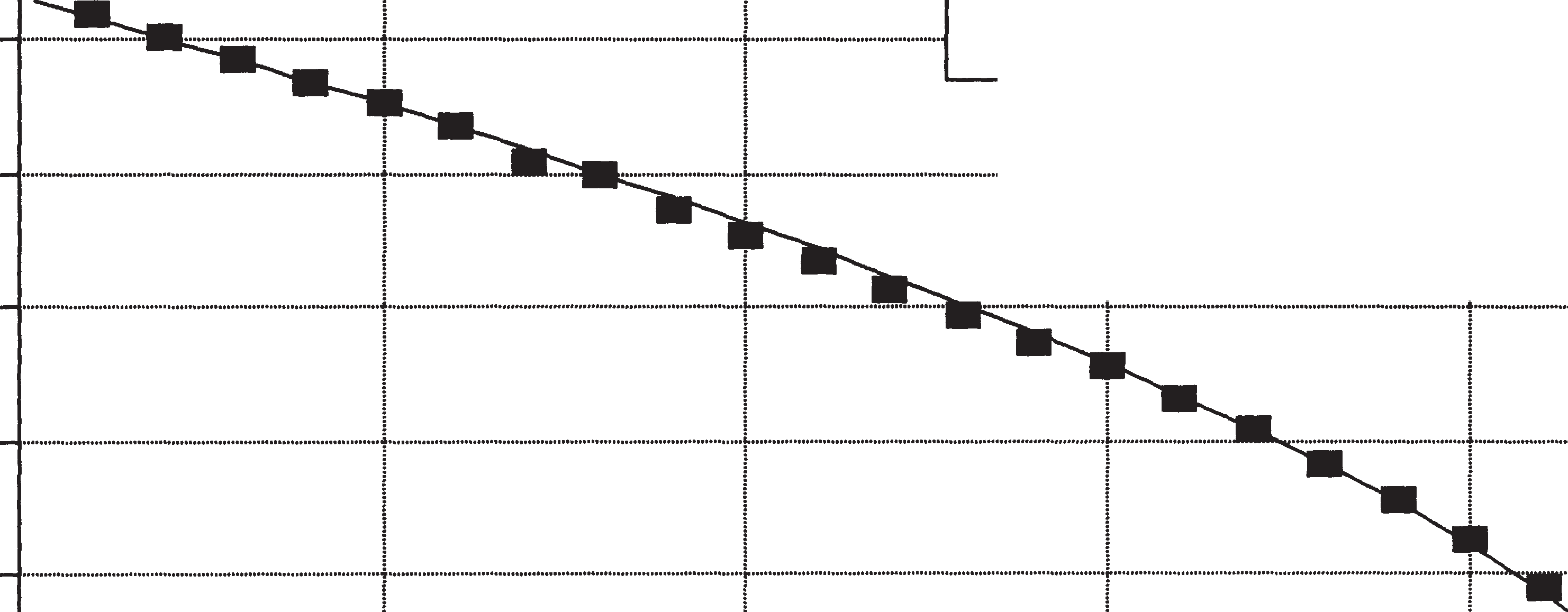
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**DENSITY OF LIQUID**

Figure 8-1 Density of Liquid

1.2



1.1

1

--

E

0) 0.9

*·w* 0.8

**C**

CH3CI METHYL CHLORIDE

Q) 0.7

**Cl**

"O

::J 0.6

0-

::i

0.5

0.4

0.3

-100 -50 0

50 100

150

Temperature, C

* data -- equation

## Table 8-1 DENSITY OF LIQUID • ORGANIC COMPOUNDS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density** = **A B** ·11 • T/Tc)•n **(density** - **g/ml, T** - **K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density** @ **25** C |
| 1 | CBrCIF2 | BROMOCHLORODIFLUOROMETHANE | 0.67201 | 0.25624 | 0.26440 | 426.15 | 113.65 | 426.15 | 1.810 |
| 2 | CBrCl3 | BROMOTRICHLOROMETHANE | 0.69849 | 0.28000 | 0.28570 | 606.00 | 252.15 | 606.00 | -  1.994 |
| 3 | CBrF3 | BROMOTRIFLUOROMETHANE | 0.74110 | 0.26995 | 0.28006 | 340.15 | 105.15 | 340.15 | 1.536 |
| **4** | CBr2F2 | DIBROMODIFLUOROMETHANE | 0.84264 | 0.27721 | 0.26256 | 478.00 | 163.05 | 478.00 | 2.274 |
| 5 | CCIF3 | CHLOROTRIFLUOROMETHANE | 0.58753 | 0.27896 | 0.29070 | 301.96 | 92.15 | 301.96 | 0.841 |
| 6 | CCIN | CYANOGEN CHLORIDE | 0.37713 | 0.22974 | 0.23860 | 449.00 | 266.65 | 449.00 | 1.172 |
| 7 | CCl2F2 | DICHLORODIFLUOROMETHANE | 0.57494 | 0.27880 | 0.29650 | 384.95 | 115.15 | 384.95 | 1.307 |
| **8** | CCl2O | PHOSGENE | 0.51316 | 0.27119 | 0.27201 | 455.00 | 145.37 | 455.00 | 1.363 |
| 9 | CCl3F | TRICHLOROFLUOROMETHANE | 0.56082 | 0.27556 | 0.28571 | 471.20 | 162.04 | 471.20 | 1.477 |
| 10 | CCl4 | CARBON TETRACHLORIDE | 0.56607 | 0.27663 | 0.29000 | 556.35 | 250.33 | 556.35 | 1.583 |
| 11 | CF2O | CARBONYL FLUORIDE | 0.46780 | 0.32913 | 0.28570 | 297.00 | 161.89 | 297.00 | -- |
| 12 | CF4 | CARBON TETRAFLUORIDE | 0.62949 | 0.28390 | 0.29095 | 227.50 | 89.56 | 227.50 | -- |
| 13 | CHBr3 | TRIBROMOMETHANE | 0.8837,5 | 0.24757 | 0.30060 | 696.00 | 281.20 | 696.00 | 2.876 |
| 14 | CHCIF2 | CHLORODIFLUOROMETHANE | 0.51858 | 0.26605 | 0.28123 | 369.30 | 115.73 | 369.30 | 1.193 |
| 15 | CHC12F | DICHLOROFLUOROMETHANE | 0.52414 | 0.27110 | 0.28571 | 451.58 | 138.15 | 451.58 | 1.367 |
| 16 | CHCl3 | CHLOROFORM | 0.49807 | 0.25274 | 0.28766 | 536.40 | 209.63 | 536.40 | 1.480 |
| 17 | CHF3 | TRIFLUOROMETHANE | 0.52435 | 0.25490 | 0.28910 | 298.89 | 117.97 | 298.89 | 0.667 |
| 18 | CHl3 | TRIIODOMETHANE | 1.12660 | 0.28100 | 0.28571 | 794.55 | 396.16 | 794.55 | -- |
| 19 | CHN | HYDROGEN CYANIDE | 0.19501 | 0.18589 | 0.28206 | 456.65 | 259.91 | 456.65 | 0.680 |
| 20 | CHNS | ISOTHIOCYANIC-ACID | -- | -- | -- | --- | --- | -- | --- |
| 21 | CH2BrCI | BROMOCHLOROMETHANE | 0.68686 | 0.27700 | 0.28570 | 557.00 | 185.20 | 557.00 | 1.926 |
| 22 | CH2Br2 | DIBROMOMETHANE | 0.77951 | 0.24834 | 0.27583 | 611.00 | 220.60 | 611.00 | 2.482 |
| 23 | CH2CIF | CHLOROFLUOROMETHANE | 0.44380 | 0.23000 | 0.28571 | 424.91 | 140.16 | 424.91 | 1.256 |
| 24 | CH2Cl2 | DICHLOROMETHANE | 0.45965 | 0.25678 | 0.29020 | 510.00 | 178.01 | 510.00 | ·1.318 ---  0.957 |
| 25 | CH2F2 | DIFLUOROMETHANE | 0.42519 | 0.25220 | 0.28100 | 351.60 | 137.00 | 351.60 |
| 26 | CH212 | DIIODOMETHANE | 0.98475 | 0.24998 | 0.26540 | 747.00 | 279.25 | 747.00 | 3.306 |
| 27 | CH2O | FORMALDEHYDE | 0.26192 | 0.22240 | 0.28570 | 408.00 | 181.15 | 408.00 | 0.736 |
| 28 | CH2O2 | FORMIC ACID | 0.36821 | 0.24296 | 0.23663 | 580.00 | 281.55 | 580.00 | 1.214 |
| 29 | CH3Br | METHYL BROMIDE | 0.60859 | 0.26292 | 0.28030 | 467.00 | 179.55 | 467.00 | 1.662 |
| 30 | CH3CI | METHYL CHLORIDE | 0.35821 | 0.26109 | 0.28690 | 416.25 | 175.45 | 416.25 | 0.913 |
| 31 | CH3Cl3Si | METHYL TRICHLOROSILANE | 0.43982 | 0.26111 | 0.27788 | 517.00 | 195.35 | 517.00 | 1.266 |
| 32 | CH3F | METHYL FLUORIDE | 0.29788 | 0.24153 | 0.28540 | 317.70 | 131.35 | 317.70 | 0.566 |
| 33 | CH31 | METHYL IODIDE | 0.76723 | 0.25854 | 0.26790 | 528.00 | 206.70 | 528.00 | 2.265 |
| 34 | CH3NO | FORMAMIDE | 0.27633 | 0.20352 | 0.25178 | 771.00 | 275.70 | 771.00 | 1.129 |
| 35 | CH3NO2 | NITROMETHANE | 0.35200 | 0.23918 | 0.29030 | 588.15 | 244.60 | 588.15 | 1.129 |
| 36 | CH3NO2 | METHYL-NITRITE | -- | -- | -- | -- | -- | -- | -- |
| 37 | CH3NO3 | METHYL-NITRATE | -- | -- | -- | --- | -- | -- | --- |
| 38 | CH4 | METHANE | 0.15998 | 0.28810 | 0.27700 | 190.58 | 90.67 | 190.58 | -- |
| 39 | CH4Cl2Si | METHYL DICHLOROSILANE | 0.39804 | 0.28209 | 0.22529 | 483.00 | 182.55 | 483.00 | 1.103 |
| 40 | CH4O | METHANOL | 0.27197 | 0.27192 | 0.23310 | 512.58 | 175.47 | 512.58 | 0.787 |
| 41 | CH4O3S | METHANESULFONIC ACID | -- | -- | -- | -- | --- | -- | 1.477 |
| 42 | CH4S | METHYL MERCAPTAN | 0.33179 | 0.28018 | 0.28523 | 469.95 | 150.18 | 469.95 | 0.862 |
| 43 | CH5CISi | METHYL CHLOROSILANE | 0.32761 | 0.26257 | 0.26569 | 442.00 | 139.05 | 442.00 | 0.884 |
| 44 | CH5N | METHYLAMINE | 0.20168 | 0.21405 | 0.22750 | 430.05 | 179.69 | 430.05 | 0.655 |
| 45 | CH6Si | METHYL SILANE | 0.22509 | 0.26757 | 0.28799 | 352.50 | 116.34 | 352.50 | 0.486 |
| 46 | CN4O8 | TETRANITROMETHANE | 0.41867 | 0.18144 | 0.28570 | 540.00 | 287.05 | 540.00 | 1.626 |
| 47 | co | CARBON MONOXIDE | 0.29818 | 0.27655 | 0.29053 | 132.92 | 68.15 | 132.92 | --- |
| 48 | cos | CARBONYL SULFIDE | 0.44482 | 0.28943 | 0.27140 | 378.80 | 134.35 | 378.80 | 1.005 |
| 49 | CO2 | CARBON DIOXIDE | 0.46382 | 0.26160 | 0.29030 | 304.19 | 216.58 | 304.19 | 0.713 |
| 50 | CS2 | CARBON DISULFIDE | 0.47589 | 0.28749 | 0.32260 | 552.00 | 161.58 | 552.00 | 1.256 |
| 51 | C2BrF3 | BROMOTRIFLUOROETHYLENE | 0.67050 | 0.24000 | 0.30000 | 432.00 | 173.00 | 432.00 | 1.830 |
| 52 | C2Br2F4 | 1,2-DIBROMOTETRAFLUOROETHANE | 0.76194 | 0.26172 | 0.26547 | 487.80 | 162.65 | 487.80 | 2.162 |
| 53 | C2CIF3 | CHLOROTRIFLUOROETHYLENE | 0.55068 | 0.25930 | 0.30740 | 379.15 | 115.00 | 379.15 | 1.275 |
| **54** | C2CIF5 | CHLOROPENTAFLUOROETHANE | 0.61452 | 0.28454 | 0.28530 | 353.15 | 173.71 | 353.15 | 1.287 |
| 55 | C2Cl2F4 | 1,2-DICHLOROTETRAFLUOROETHANE | 0.57270 | 0.26920 | 0.27450 | 418.85 | 179.15 | 418.85 | 1.455 |
| 56 | C2Cl3F3 | 1,1,2-TRICHLOROTRIFLUOROETHANE | 0.57596 | 0.27178 | 0.28040 | 487.25 | 238.15 | 487.25 | 1.564 |
| 57 | C2Cl4 | TETRACHLOROETHYLENE | 0.66671 | 0.32758 | 0.35630 | 620.00 | 250.80 | 620.00 | 1.613 |
| **58** | C2Cl4F2 | 1,1,2,2-TETRACHLORODIFLUOROETHANE | 0.57239 | 0.26740 | 0.28570 | 551.00 | 299.15 | 551.00 | -- |
| 59 | C2Cl4O | TRICHLOROACETYL CHLORIDE | 0.55730 | 0.27270 | 0.28570 | 590.00 | 273.15 | 590.00 | 1.613 |
| **60** | C2Cl6 | HEXACHLOROETHANE | 0.57460 | 0.23700 | 0.28571 | 698.00 | 459.95 | 698.00 | -- |
| 61 | C2F4 | TETRAFLUOROETHYLENE | 0.57587 | 0.26880 | 0.28571 | 306.45 | 142.00 | 306.45 | 0.920 |
| 62 | C2F6 | HEXAFLUOROETHANE | 0.61625 | 0.26693 | 0.29794 | 292.80 | 172.45 | 292.80 | -- |
| 63 | C2HBrCIF3 | HALOTHANE | 0.66571 | 0.26831 | 0.28571 | 521.00 | 223.15 | 521.00 | 1.869 |
| **64** | C2HCIF2 | 2-CHLOR0-1,1-DIFLUOROETHYLENE | 0.50014 | 0.26765 | 0.28820 | 400.55 | 134.65 | 400.55 | 1.217 |
| 65 | C2HCl3 | TRICHLOROETHYLENE | 0.50416 | 0.26952 | 0.28571 | 571.00 | 188.40 | 571.00 | 1.458 |
| 66 | C2HCl3O | DICHLOROACETYL CHLORIDE | 0.52331 | 0.26970 | 0.28570 | 579.00 | 298.15 | 579.00 | 1.519 |
| 67 | C2HCl3O | TRICHLOROACETALDEHYDE | 0.51178 | 0.26596 | 0.27840 | 565.00 | 216.00 | 565.00 | 1.499 |
| **68** | C2HCl5 | PENTACHLOROETHANE | 0.54822 | 0.26628 | 0.28491 | 665.00 | 244.15 | 665.00 | 1.675 |
| 69 | C2HF3 | TRIFLUOROETHENE | 0.44950 | 0.28600 | 0.28571 | 347.22 | 94.53 | 347.22 | 0.919 |
| 70 | C2HF3O2 | TRIFLUOROACETIC ACID | 0.55894 | 0.27475 | 0.30290 | 491.25 | 257.90 | 491.25 | 1.480 |
| 71 | C2HF5 | PENTAFLUOROETHANE | 0.55633 | 0.26100 | 0.28571 | 342.00 | 170.15 | 342.00 | 1.174 |
| 72 | C2H2 | ACETYLENE | 0.23017 | 0.27091 | 0.28571 | 308.32 | 192.40 | 308.32 | 0.377 |
| 73 | C2H2Br4 | 1,1,2,2-TETRABROMOETHANE | 0.86181 | 0.26030 | 0.21400 | 824.00 | 273.15 | 824.00 | 2.927 |
| 74 | C2H2Cl2 | 1,1-DICHLOROETHYLENE | 0.43624 | 0.29000 | 0.28571 | 482.00 | 150.65 | 482.00 | 1.117 |
| 75 | C2H2Cl2 | cis-1,2-DICHLOROETHYLENE | 0.43930 | 0.26128 | 0.28570 | 527.00 | 193.15 | 527.00 | 1.265 |
| 76 | C2H2Cl2 | trans-1,2-DICHLOROETHYLENE | 0.44616 | 0.26700 | 0.28570 | 508.00 | 223.35 | 508.00 | 1.244 |
| 77 | C2H2Cl2O | CHLOROACETYL CHLORIDE | 0.47008 | 0.25420 | 0.28570 | 581.00 | 251.15 | 581.00 | 1.434 |
| **78** | C2H2Cl2O | DICHLOROACETALDEHYDE | 0.47708 | 0.25395 | 0.28571 | 555.00 | 223.00 | 555.00 | 1.433 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density** = **A B** · <1• T/Tcl•n **(density** - **g/ml, T** - **K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density** @ **25 C** |
| 79 | C2H2Cl2O2 | DICHLOROACETIC ACID | 0.48656 | 0.24720 | 0.32550 | 686.00 | 286.55 | 686.00 | 1.553 |
| 80 | C2H2Cl3F | 1,1,1-TRICHLOROFLUOROETHANE | 0.51435 | 0.25000 | 0.28571 | 565.00 | 173.00 | 565.00 | 1.575 |
| 81 | C2H2Cl4 | 1,1,1,2-TETRACHLOROETHANE | 0.50079 | 0.25970 | 0.28570 | 624.00 | 202.94 | 624.00 | 1.535 |
| 82 | C2H2Cl4 | 1,1,2,2-TETRACHLOROETHANE | 0.51649 | 0.25953 | **0.29593** | 645.00 | 229.35 | 645.00 | **1.587** |
| 83 | C2H2F2 | 1,1-DIFLUOROETHYLENE | 0.40029 | 0.23820 | 0.30940 | **302.80** | **129.15** | **302.80** | **0.594** |
| **84** | C2H2F2 | cis-1,2-DIFLUOROETHENE | 0.39170 | 0.23800 | 0.28571 | 394.67 | 107.90 | **394.67** | 1.023 |
| 85 | C2H2F2 | trans-1,2-DIFLUOROETHENE | 0.39170 | 0.23800 | 0.28571 | 394.67 | 107.90 | 394.67 | 1.023 |
| 86 | C2H2F4 | 1,1,1,2-TETRAFLUOROETHANE | 0.49834 | **0.24141** | 0.31372 | 380.00 | 172.15 | 380.00 | **1.199** |
| 87 | C2H2O | KETENE | **0.29188** | 0.27200 | 0.28571 | 370.00 | 122.00 | 370.00 | 0.660 |
| **88** | C2H2O4 | OXALIC ACID | 0.43975 | 0.21500 | 0.28571 | 804.00 | 462.65 | 804.00 | -- |
| 89 | C2H3Br | VINYL BROMIDE | 0.53515 | 0.25321 | 0.28900 | 473.00 | 135.35 | 473.00 | 1.499 |
| 90 | C2H3CI | VINYL CHLORIDE | 0.34897 | 0.27070 | 0.27160 | 432.00 | 119.36 | 432.00 | 0.903 |
| 91 | C2H3CIF2 | 1-CHLORO-1, 1-DIFLUOROETHANE | 0.42636 | 0.24537 | 0.29800 | 410.20 | **142.35** | 410.20 | 1.107 |
| 92 | C2H3CIO | ACETYL CHLORIDE | 0.39703 | 0.26869 | 0.28570 | 508.00 | 160.30 | 508.00 | 1.102 |
| 93 | C2H3CIO | CHLOROACETALDEHYDE | **0.38125** | 0.23960 | 0.28571 | 555.00 | 293.00 | 555.00 | 1.200 |
| 94 | C2H3CIO2 | CHLOROACETIC ACID | 0.41192 | 0.23248 | 0.28571 | 686.00 | 333.15 | 686.00 | -- |
| 95 | C2H3CIO2 | METHYLCHLOROFORMATE | 0.42760 | 0.26789 | 0.27814 | 525.00 | 192.00 | 525.00 | 1.213 |
| 96 | C2H3Cl3 | 1,1,1-TRICHLOROETHANE | 0.47476 | 0.27258 | 0.29333 | 545.00 | 242.75 | 545.00 | 1.330 |
| 97 | C2H3Cl3 | 1,1,2-TRICHLOROETHANE | 0.47455 | 0.25475 | 0.31000 | 602.00 | 236.50 | 602.00 | 1.435 |
| 98 | C2H3F | VINYL FLUORIDE | 0.32311 | 0.27390 | 0.28571 | 327.80 | 112.65 | 327.80 | 0.620 |
| 99 | C21-l'.lF'.l | **1,1,1-TRIFLUOROETHANE** | **0.42934** | 0.26210 | **0.26250** | **346.25** | **161.65** | **346.25** | **0.953** |
| 100 | C2H3N | ACETONITRILE | 0.23730 | 0.22642 | 0.28128 | 545.50 | 229.32 | 545.50 | 0.779 |
| 101 | C2H3NO | METHYL ISOCYANATE | 0.30084 | 0.23442 | 0.28571 | 505.00 | 256.15 | 505.00 | 0.926 |
| 102 | C2H4 | ETHYLENE | 0.21428 | 0.28061 | 0.28571 | 282.36 | 104.01 | 282.36 | -- |
| 103 | C2H4Br2 | 1,1-DIBROMOETHANE | 0.68067 | 0.26364 | 0.29825 | 628.00 | 210.15 | 628.00 | 2.045 |
| 104 | C2H4Br2 | 1,2-DIBROMOETHANE | 0.71466 | 0.26634 | 0.28571 | 650.15 | 282.94 | 650.15 | 2.169 |
| 105 | C2H4Cl2 | 1,1-DICHLOROETHANE | 0.41231 | 0.26533 | 0.28700 | 523.00 | 176.19 | 523.00 | 1.168 |
| 106 | C2H4Cl2 | 1,2-DICHLOROETHANE | 0.46501 | 0.28742 | 0.31041 | 561.00 | 237.49 | 561.00 | 1.246 |
| 107 | C2H4Cl2O | BIS(CHLOROMETHYL)ETHER | 0.43043 | 0.25410 | 0.28570 | 579.00 | 231.65 | 579.00 | 1.312 |
| 108 | C2H4F2 | 1,1-DIFLUOROETHANE | 0.36462 | 0.25640 | 0.27970 | 386.60 | 156.15 | **386.60** | **0.898** |
| 109 | C2H4F2 | 1,2-DIFLUOROETHANE | 0.32624 | 0.22210 | 0.28570 | 476.00 | 215.00 | 476.00 | 1.016 |
| 110 | C2H412 | 1,2-DIIODOETHANE | 0.87130 | 0.24500 | 0.28571 | 749.91 | 356.16 | 749.91 | -- |
| 111 | C2H4O | ACETALDEHYDE | 0.28207 | 0.26004 | 0.27760 | 461.00 | 150.15 | 461.00 | 0.774 |
| 112 | C2H4O | ETHYLENE OXIDE | 0.31402 | 0.26089 | 0.28253 | 469.15 | 161.45 | 469.15 | 0.862 |
| 113 | C2H4OS | THIOACETIC-ACID | 0.41630 | 0.31700 | 0.28571 | 577.34 | 150.16 | 577.34 | 1.059 |
| 114 | C2H4O2 | ACETIC ACID | **0.35182** | 0.26954 | 0.26843 | 592.71 | **289.81** | 592.71 | 1.043 |
| 115 | C2H4O2 | METHYL FORMATE | **0.34143** | 0.25838 | 0.27680 | 487.20 | 174.15 | 487.20 | 0.967 |
| 116 | C2H4S | THIACYCLOPROPANE | 0.29230 | 0.21400 | 0.28571 | 555.00 | 165.37 | 555.00 | 1.007 |
| 117 | C2H5Br | BROMOETHANE | 0.50699 | 0.25918 | **0.27980** | 503.80 | 154.55 | **503.80** | 1.450 |
| 118 | C2H5CI | ETHYL CHLORIDE | 0.32259 | **0.27464** | 0.23140 | 460.35 | 136.75 | **460.35** | 0.890 |
| 119 | C2H5CIO | 2-CHLOROETHANOL | 0.37979 | 0.26160 | 0.21893 | 585.00 | 205.65 | **585.00** | 1.196 |
| 120 | C2H5F | ETHYL FLUORIDE | 0.29307 | 0.27099 | 0.24420 | 375.31 | **129.95** | 375.31 | 0.712 |
| 121 | C2H51 | ETHYL IODIDE | **0.65415** | 0.25912 | 0.29853 | 561.00 | 162.05 | 561.00 | **1.920** |
| 122 | C2H5N | ETHYLENEIMINE | 0.24895 | 0.23289 | 0.23357 | 537.00 | 195.20 | 537.00 | 0.831 |
| 123 | C2H5NO | ACETAMIDE | 0.28126 | 0.21906 | 0.28570 | 761.00 | 354.15 | 761.00 | -- |
| 124 | C2H5NO | N-METHYLFORMAMIDE | 0.27473 | 0.22427 | 0.27470 | 721.00 | 269.35 | 721.00 | 0.999 |
| 125 | C2H5NO2 | NITROETHANE | 0.31810 | 0.23655 | 0.27800  -- | 593.00 | **183.63** | 593.00 | 1.043 |
| 126 | C2H5NO3 | ETHYL-NITRATE | -- | -- |  | -- | -- | -- | -- |
| 127 | C2H6 | ETHANE | 0.20087 | 0.27330 | 0.28330 | 305.42 | 90.35 | 305.42 | 0.315 |
| 128 | C2H6AICI | DIMETHYLALUMINUM CHLORIDE | 0.28732 | 0.22536 | 0.28571 | 619.00 | 252.15 | 619.00 | 0.988 |
| 129 | C2H6O | DIMETHYL ETHER | 0.26390 | 0.26325 | 0.28060 | 400.10 | 131.66 | 400.10 | 0.655 |
| 130 | C2H6O | ETHANOL | 0.26570 | 0.26395 | 0.23670 | 516.25 | 159.05 | 516.25 | 0.787 |
| 131 | C2H6OS | DIMETHYL SULFOXIDE | **0.34418** | 0.25344 | 0.32197 | 726.00 | 291.67 | 726.00 | 1.095 |
| 132 | C2H602 | ETHYLENE GLYCOL | 0.32503 | 0.25499 | 0.17200 | 645.00 | 260.15 | 645.00 | 1.110 |
| 133 | C2H604S | DIMETHYL SULFATE | 0.43048 | 0.25926 | 0.37020 | 758.00 | **241.35** | 758.00 | 1.322 |
| 134 | C2H6S | DIMETHYL SULFIDE | 0.30676 | 0.26780 | 0.28571 | 503.04 | **174.88** | **503.04** | 0.850 |
| 135 | C2H6S | ETHYL MERCAPTAN | 0.30092 | 0.26940 | 0.27866 | 499.15 | 125.26 | **499.15** | 0.833 |
| 136 | C2H6S2 | DIMETHYL DISULFIDE | 0.37382 | 0.27705 | **0.31143** | 606.00 | **188.44** | 606.00 | 1.057 |
| 137 | C2H7N | DIMETHYLAMINE | 0.24110 | 0.26785 | 0.24800 | 437.65 | 180.96 | 437.65 | 0.650 |
| 138 | C2H7N | ETHYLAMINE | 0.24773 | 0.25651 | 0.28589 | 456.15 | 192.15 | 456.15 | 0.677 |
| 139 | C2H7NO | MONOETHANOLAMINE | 0.27149 | 0.22411 | 0.20150 | 638.00 | 283.65 | 638.00 | 1.014 |
| 140 | C2H8N2 | ETHYLENEDIAMINE | 0.22765 | 0.20726 | 0.20173 | 593.00 | 284.29 | 593.00 | 0.893 |
| 141 | C2H8Si | DIMETHYL SILANE | 0.23323 | 0.26351 | 0.28421 | 402.00 | 122.93 | 402.00 | 0.578 |
| 142 | C2N2 | CYANOGEN | 0.26685 | 0.20984 | 0.20635 | 400.15 | 245.25 | 400.15 | 0.866 |
| 143 | C3F6 | HEXAFLUOROPROPYLENE | 0.55973 | 0.24195 | 0.31130 | 368.00 | 116.65 | 368.00 | 1.304 |
| 144 | C3F6O | HEXAFLUOROACETONE | 0.50475 | 0.23393 | 0.22900 | 357.14 | 151.15 | 357.14 | 1.321 |
| 145 | C3F8 | OCTAFLUOROPROPANE | 0.62735 | 0.27240 | 0.28170 | 345.05 | 125.46 | 345.05 | 1.317 |
| 146 | C3H2N2 | MALONONITRILE | 0.26638 | 0.20459 | 0.26090 | 715.00 | 304.90 | 715.00 | -- |
| 147 | C3H3CI | PROPARGYL CHLORIDE | 0.35313 | 0.25459 | 0.31320 | 541.00 | 293.00 | 541.00 | 1.024 |
| 148 | C3H3N | ACRYLONITRILE | 0.25030 | 0.22930 | 0.28939 | 535.00 | 189.63 | 535.00 | 0.801 |
| 149 | C3H3NO | OXAZOLE | 0.29157 | 0.32500 | 0.28571 | 554.00 | 189.15 | 554.00 | 0.718 |
| 150 | C3H4 | METHYLACETYLENE | 0.24368 | 0.26448 | 0.27900 | 402.39 | 170.45 | 402.39 | 0.607 |
| 151 | C3H4 | PROPADIENE | 0.24731 | 0.27017 | 0.30300 | 393.15 | 136.87 | 393.15 | 0.579 |
| 152 | C3H4Cl2 | 2,3-DICHLOROPROPENE | 0.40062 | 0.25367 | 0.30630 | 577.00 | 191.50 | 577.00 | 1.201 |
| 153 | C3H4O | ACROLEIN | 0.28459 | 0.26124 | 0.24890 | 506.00 | 185.45 | 506.00 | 0.834 |
| 154 | C3H40 | PROPARGYLALCOHOL | 0.30488 | 0.24900 | 0.28570 | 580.00 | 221.35 | 580.00 | 0.945 |
| 155 | C3H4O2 | ACRYLIC ACID | 0.34645 | 0.25822 | 0.30701 | 615.00 | 286.65 | 615.00 | 1.046 |
| 156 | C3H4O2 | beta-PROPIOLACTONE | 0.36994 | 0.23600 | 0.28571 | 686.00 | 239.75 | 686.00 | 1.262 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density** = **A B** ·<1 • TITc)•n **(density** - **g/ml,** T - **K)** | | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density@ 25** C | |
| 157 | C3H4O2 | VINYL FORMATE | 0.33220 | 0.25151 | 0.29455 | 498.00 | 200.00 | 498.00 | 0.954 | |
| **158** | C3H4O3 | ETHYLENE CARBONATE | 0.38298 | 0.23700 | 0.28600 | 790.00 | 309.55 | 790.00 | -- | |
| 159 | C3H4O3 | PYRUVIC ACID | 0.36842 | 0.23910 | 0.23400 | 634.52 | 286.75 | 634.52 | 1.265 | |
| 160 | C3H5Br | 3-BROM0-1-PROPENE | 0.50790 | 0.28200 | 0.28571 | 540.20 | 153.76 | 540.20 | 1.389 | |
| 161 | C3H5CI | 2-CHLOROPROPENE | 0.33385 | 0.27165 | 0.28571 | 478.00 | 135.75 | 478.00 | 0.895 | |
| 162 | C3H5CI | 3-CHLOROPROPENE | 0.32483 | 0.25957 | 0.28570 | 514.15 | 138.65 | 514.15 | 0.931 | |
| **163** | C3H5CIO | alpha-EPICHLOROHYDRIN | 0.39710 | 0.26476 | 0.30308 | 610.00 | 215.95 | 610.00 | 1.174 | |
| **164** | C3H5CIO2 | METHYLCHLOROACETATE | 0.40193 | 0.25108 | 0.30950 | 600.00 | 241.03 | 600.00 | 1.229 | |
| 165 | C3H5ClO2 | ETHYLCHLOROFORMATE | 0.39599 | 0.26090 | 0.28300 | **508.15** | 192.00 | 508.15 | 1.127 | |
| **166** | C3H5Cl3 | 1,2,3-TRICHLOROPROPANE | **0.42698** | 0.24650 | 0.28570 | 652.00 | 258.45 | 652.00 | 1.384 | |
| 167 | C3H51 | 3-IOD0-1-PROPENE | 0.58800 | 0.24900 | 0.28571 | 595.81 | 173.86 | **595.81** | 1.839 | |
| **168** | **C3H5N** | PROPIONITRILE | 0.24012 | 0.23452 | 0.28040 | 564.40 | 180.26 | 564.40 | 0.777 | |
| 169 | C3H5NO | **ACRYLAMIDE** | 0.27378 | 0.25200 | 0.28571 | 710.00 | 357.65 | 710.00 | -- | |
| 170 | C3H5NO | HYDRACRYLONITRILE | 0.29250 | 0.23676 | 0.22451 | 690.00 | 227.15 | 690.00 | 1.040 | |
| 171 | C3H5NO | LACTONITRILE | 0.29250 | 0.24607 | 0.23340 | 643.00 | 233.00 | 643.00 | 0.983 | |
| 172 | C3H5N3O9 | NITROGLYCERINE | 0.54197 | 0.27886 | 0.29995 | 680.00 | 286.15 | 680.00 | 1.586 | |
| 173 | C3H6 | CYCLOPROPANE | 0.25880 | 0.27400 | 0.28571 | 397.91 | 145.73 | 397.91 | 0.619 | |
| 174 | C3H6 | PROPYLENE | 0.23314 | 0.27517 | 0.30246 | 364.76 | 87.90 | 364.76 | 0.504 | |
| 175 | C3H6Br2 | 1,2-DIBROMOPROPANE | 0.76340 | 0.33000 | 0.28571 | 634.11 | 217.96 | 634.11 | 1.925 | |
| 176 | C3H6Cl2 | 1,1-DICHLOROPROPANE | 0.38737 | 0.26561 | 0.28571 | 560.00 | 200.00 | 560.00 | 1.126 | |
| 177 | C3H6Cl2 | 1,2-DICHLOROPROPANE | 0.38661 | 0.26055 | 0.28571 | 572.00 | 172.71 | 572.00 | 1.150 | |
| 178 | C3H6Cl2 | 1,3-DICHLOROPROPANE | 0.38827 | 0.26224 | 0.27100 | 603.00 | 173.65 | 603.00 | 1.181 | |
| 179 | C3H6Cl2 | 2,2-DICHLOROPROPANE | 0.38630 | 0.26600 | 0.28571 | 539.46 | 239.36 | 539.46 | 1.106 | |
| 180 | C3H612 | 1,2-DIIODOPROPANE | 0.74510 | 0.24200 | 0.28571 | 780.49 | 253.16 | 780.49 | 2.566 | |
| 181 | C3H6O | ACETONE | 0.27728 | 0.25760 | 0.29903 | 508.20 | 178.45 | 508.20 | 0.786 | |
| 182 | C3H6O | ALLYL ALCOHOL | 0.28347 | 0.25408 | 0.28571 | 545.05 | 144.15 | 545.05 | 0.845 | |
| **183** | C3H6O | METHYL VINYL ETHER | 0.27658 | 0.26436 | 0.25805 | 437.00 | 151.15 | 437.00 | 0.744 | |
| **184** | C3H6O | n-PROPIONALDEHYDE | 0.26909 | 0.24390 | 0.28600 | 496.00 | 193.15 | 496.00 | 0.796 | |
| 185 | C3H6O | 1,2-PROPYLENE OXIDE | 0.31226 | 0.27634 | 0.29353 | 482.25 | 161.22 | 482.25 | 0.823 | |
| 186 | C3H6O | 1,3-PROPYLENE OXIDE | 0.30473 | 0.25347 | 0.28571 | 520.00 | 255.00 | 520.00 | 0.894 | |
| 187 | C3H6O2 | ETHYL FORMATE | 0.33311 | 0.26940 | 0.29354 | 508.40 | 193.55 | 508.40 | 0.917 | |
| **188** | C3H6O2 | METHYL ACETATE | 0.32119 | 0.25855 | 0.27450 | 506.80 | 175.15 | 506.80 | 0.927 | |
| **189** | C3H6O2 | PROPIONIC ACID | 0.32283 | 0.25916 | 0.27644 | 604.00 | 252.45 | 604.00 | 0.988 | |
| 190 | C3H6O2S | 3-MERCAPTOPROPIONIC ACID | 0.37774 | 0.23621 | 0.40466 | 729.00 | 290.65 | 729.00 | 1.213 | |
| 191 | C3H6O3 | LACTIC ACID | 0.39816 | 0.26350 | 0.28570 | 616.00 | 291.15 | 616.00 | 1.201 | |
| 192 | C3H6O3 | METHOXYACETIC ACID | 0.35888 | 0.25150 | 0.27447 | 691.00 | 281.00 | 691.00 | 1.170  -- | |
| 193 | C3H6O3 | TRIOXANE | 0.40372 | 0.25860 | 0.28570 | 604.00 | 334.65 | 604.00 |  | |
| **194** | C3H6S | THIACYCLOBUTANE | 0.30040 | 0.22800 | 0.28571 | 603.00 | 199.96 | 603.00 | 1.014 | |
| 195 | C3H7Br | 1-BROMOPROPANE | 0.46239 | 0.26021 | 0.29165 | 544.00 | 163.15 | 544.00 | 1.345 | |
| 196 | C3H7Br | 2-BROMOPROPANE | 0.46222 | 0.24800 | 0.38000 | 532.00 | 184.15 | 532.00 | 1.282 | |
| 197 | C3H7CI | ISOPROPYL CHLORIDE | 0.31887 | 0.27503 | 0.28571 | 489.00 | 155.97 | 489.00 | 0.855 | |
| 198 | C3H7CI | n-PROPYL CHLORIDE | 0.31422 | 0.27365 | 0.28570 | 503.15 | 150.35 | 503.15 | 0.856 | |
| 199 | C3H7F | 1-FLUOROPROPANE | 0.30710 | 0.26300 | 0.28571 | 422.00 | 114.16 | 422.00 | 0.787 | |
| 200 | C3H7F | 2-FLUOROPROPANE | 0.28810 | 0.26200 | 0.28571 | 415.68 | 139.80 | 415.68 | 0.733 | |
| 201 | C3H71 | ISOPROPYL IODIDE | 0.58619 | 0.26661 | 0.30232 | 578.00 | 183.15 | 578.00 | 1.695 | |
| 202 | C3H71 | n-PROPYL IODIDE | 0.58619 | 0.26130 | 0.30121 | 593.00 | 171.85 | 593.00 | 1.739 | |
| 203 | C3H7N | ALLYLAMINE | 0.23116 | 0.23966 | 0.20760 | 505.00 | 184.95 | 505.00 | 0.757 | |
| 204 | C3H7N | PROPYLENEIMINE | 0.27419 | 0.25660 | 0.28600 | 529.00 | 229.00 | 529.00 | 0.802 | |
| 205 | C3H7NO | N,N-DIMETHYLFORMAMIDE | 0.27376 | 0.23013 | 0.27630 | 647.00 | 212.72 | 647.00 | 0.945 | |
| 206 | C3H7NO | N-METHYLACETAMIDE | 0.27376 | 0.23568 | 0.27379 | 718.00 | 301.15 | 718.00 | --- | |
| 207 | C3H7NO2 | 1-NITROPROPANE | 0.30936 | 0.24470 | 0.27365 | 605.00 | 169.16 | 605.00 | 0.996 | |
| 208 | C3H7NO2 | 2-NITROPROPANE | 0.30936 | 0.24668 | 0.27368 | 594.00 | 181.83 | 594.00 | 0.983 | |
| 209 | C3H7NO3 | PROPYL-NITRATE | -- | -- | ---- | --- | --- | -- | --- | |
| 210 | C3H7NO3 | ISOPROPYL-NITRATE | -- | -- | -- | --- | -- | -- | -- | |
| 211 | C3H8 | PROPANE | 0.22151 | 0.27744 | 0.28700 | 369.82 | 85.46 | 369.82 | 0.493 | |
| 212 | C3H8O | ISOPROPANOL | 0.26785 | 0.26475 | 0.24300 | 508.31 | 185.28 | 508.31 | 0.783 | |
| 213 | C3H8O | METHYL ETHYL ETHER | 0.28400 | 0.28920 | 0.28950 | 437.80 | 160.00 | 437.80 | 0.692 | |
| 214 | C3H8O | n-PROPANOL | 0.27684 | 0.27200 | 0.24940 | 536.71 | 146.95 | 536.71 | 0.802 | |
| 215 | C3H8O2 | 2-METHOXYETHANOL | 0.31877 | 0.25504 | 0.28570 | 564.00 | 188.05 | 564.00 | 0.960 | |
| 216 | **C3H8O2** | METHYLAL | 0.35726 | 0.30576 | 0.31755 | 480.60 | 168.35 | 480.60 | 0.854 | |
| 217 | C3H8O2 | 1,2-PROPYLENE GLYCOL | 0.31839 | 0.26106 | 0.20459 | 626.00 | 213.15 | 626.00 | 1.033 | |
| **218** | C3H8O2 | 1,3-PROPYLENE GLYCOL | 0.32832 | 0.25080 | 0.28570 | 658.00 | 246.45 | 658.00 | 1.052 | |
| 219 | C3H8O3 | GLYCEROL | 0.34908 | 0.24902 | 0.15410 | 723.00 | 291.33 | 723.00 | 1.257 | |
| 220 | C3H8S | n-PROPYLMERCAPTAN | 0.29987 | 0.27903 | 0.26920 | 536.00 | 159.95 | 536.00 | 0.836 | |
| 221 | C3H8S | ISOPROPYL MERCAPTAN | 0.29957 | 0.28094 | 0.28571 | 517.00 | 142.61 | 517.00 | 0.809 | |
| 222 | C3H8S | ETHYL-METHYL-SULFIDE | 0.28820 | 0.26200 | 0.28571 | 532.80 | 167.20 | 532.80 | 0.832 | |
| 223 | C3H9N | n-PROPYLAMINE | 0.22763 | 0.23878 | 0.24610 | 496.95 | 190.15 | 496.95 | 0.714 | |
| 224 | C3H9N | ISOPROPYLAMINE | 0.26757 | 0.28280 | 0.29720 | 471.85 | 177.95 | 471.85 | 0.684 | |
| 225 | C3H9N | TRIMETHYLAMINE | 0.23283 | 0.25703 | 0.26870 | 433.25 | 156.08 | 433.25 | 0.629 | |
| 226 | C3H9NO | 1-AMIN0-2-PROPANOL | 0.27018 | 0.23107 | 0.22134 | 614.00 | 274.89 | 614.00 | 0.957 | |
| 227 | C3H9NO | 3-AMINO-1-PROPANOL | 0.30490 | 0.25110 | 0.28570 | 649.00 | 284.15 | 649.00 | 0.972 | |
| **228** | C3H9NO | METHYLETHANOLAMINE | 0.29664 | 0.25232 | 0.28570 | 630.00 | 268.65 | 630.00 | 0.934 | |
| 229 | C3H904P | TRIMETHYL PHOSPHATE | -- | --- | -- | --- | --- | -- | 1.202 | ---  - |
| 230 | C3H10N2 | 1,2-PROPANEDIAMINE | 0.23458 | 0.21184 | 0.25620 | 587.00 | 236.53 | 587.00 | 0.856 |
| 231 | C3H10Si | TRIMETHYL SILANE | 0.23859 | 0.26428 | 0.29230 | 432.00 | 137.26 | 432.00 | 0.614 | |
| 232 | C4Cl4S | TETRACHLOROTHIOPHENE | 0.51829 | 0.25100 | 0.28570 | 753.00 | 301.97 | 753.00 | ----- | |
| 233 | C4Cl6 | HEXACHLOR0-1,3-BUTADIENE | 0.47514 | 0.25300 | 0.28570 | 741.00 | 252.15 | 741.00 | 1.556 | |
| **234** | **C4F8** | OCTAFLUORO-2-BUTENE | 0.57656 | 0.25410 | 0.28126 | 392.00 | 138.15 | 392.00 | 1.442 | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density = A B** · 11• TITc}•n **(density • g/ml, T • K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | **n** | Tc | **TMIN** | **TMAX** | **density** @ 25 C |
| 235 | C4F8 | OCTAFLUOROCYCLOBUTANE | 0.60936 | 0.26015 | 0.27770 | **388.37** | **232.96** | **388.37** | **1.495** |
| 236 | C4F10 | DECAFLUOROBUTANE | 0.59730 | 0.25600 | 0.26700 | 386.35 | 144.95 | **386.35** | **1.497** |
| 237 | C4H2 | BUTADIYNE(BIACETYLENE) | 0.26400 | 0.27100 | 0.28571 | 478.02 | 237.16 | **478.02** | 0.709  -- |
| 238 | C4H2O3 | MALEIC ANHYDRIDE | 0.44777 | 0.26141 | 0.35584 | 721.00 | 326.00 | 721.00 |  |
| 239 | C4H4 | VINYLACETYLENE | 0.25447 | 0.26348 | 0.28571 | **454.00** | 179.95 | **454.00** | 0.680  -- |
| 240 | C4H4N2 | SUCCINONITRILE | 0.26696 | 0.21793 | 0.27023 | 770.00 | 331.30 | 770.00 |  |
| 241 | C4H4O | FURAN | 0.31281 | 0.24724 | 0.26050 | 490.15 | 187.55 | **490.15** | 0.935 |
| 242 | C4H4O2 | DIKETENE | **0.35838** | 0.2i'300 | 0.28571 | 616.00 | 266.65 | 616.00 | 1.050  -- |
| **243** | C4H8O3 | SUCCINIC ANHYDRIDE | 0.44790 | 0.22300 | 0.28571 | 811.00 | 393.00 | **811.00** | -- |
| 244 | C4H404 | FUMARIC ACID | 0.39036 | 0.23100 | 0.28571 | 771.00 | 560.15 | 771.00 | -- |
| 245 | C4H404 | MALEICACID | 0.39013 | 0.23100 | 0.29000 | 773.00 | 403.45 | 773.00 |  |
| 246 | C4H4S | THIOPHENE | 0.38423 | 0.28195 | 0.30770 | 579.35 | **234.94** | 579.35 | 1.059 |
| 247 | C4H5CI | CHLOROPRENE | 0.33147 | 0.26427 | 0.27860 | 525.00 | 143.15 | 525.00 | 0.950 |
| 248 | C4H5N | trans-CROTONITRILE | 0.23818 | 0.22430 | 0.28570 | 586.00 | 222.00 | 586.00 | 0.807 |
| 249 | C4H5N | cis-CROTONITRILE | 0.25317 | 0.23495 | 0.28223 | 568.00 | 200.55 | 568.00 | 0.819 |
| 250 | C4H5N | METHACRYLONITRILE | 0.25317 | 0.23730 | 0.29632 | 554.00 | 237.35 | 554.00 | 0.795 |
| 251 | C4H5N | PYRROLE | 0.29168 | 0.24703 | 0.24793 | 639.75 | 249.74 | 639.75 | 0.965 |
| 252 | C4H5N | VINYLACETONITRILE | 0.25904 | 0.23915 | 0.28991 | 584.00 | 186.15 | 584.00 | 0.829 |
| 253 | C4H5NO2 | METHYLCYANOACETATE | 0.32490 | 0.22700 | 0.31950 | 687.00 | 260.08 | 687.00 | 1.119 |
| 254 | C4H6 | CYCLOBUTENE | 0.27670 | 0.27800 | 0.28571 | 446.33 | 153.76 | 446.33 | 0.704 |
| 255 | C4H6 | 1,2-BUTADIENE | 0.24700 | 0.26696 | 0.28570 | 444.00 | 136.95 | 444.00 | 0.646 |
| 256 | C4H6 | 1,3-BUTADIENE | 0.24597 | 0.27227 | 0.29074 | 425.37 | 164.25 | 425.37 | 0.615 |
| 257 | C4H6 | DIMETHYLACETYLENE | 0.25168 | 0.26924 | 0.28571 | 488.15 | 240.91 | 488.15 | 0.686 |
| 258 | C4H6 | ETHYLACETYLENE | 0.24366 | 0.26147 | 0.28310 | 443.20 | 147.43 | 443.20 | 0.648 |
| 259 | C4H6Cl2 | 1,3-DICHLORO-trans-2-BUTENE | 0.38461 | 0.26734 | 0.27883 | 618.00 | 276.00 | 618.00 | 1.153 |
| 260 | C4H6Cl2 | 1,4-DICHLORO-cis-2-BUTENE | 0.36468 | 0.24348 | 0.28571 | 640.00 | 225.15 | 640.00 | 1.188 |
| 261 | C4H6Cl2 | 1,4-DICHLORO-trans-2-BUTENE | 0.36248 | 0.24270 | 0.28570 | 646.00 | 274.15 | 646.00 | 1.187 |
| 262 | C4H6Cl2 | 3,4-DICHLOR0-1-BUTENE | 0.37991 | 0.25861 | 0.28570 | 589.00 | 212.00 | 589.00 | 1.148 |
| 263 | C4H6O | trans-CROTONALDEHYDE | 0.28036 | 0.24575 | 0.32348 | 571.00 | 196.65 | 571.00 | 0.847 |
| 264 | C4H6O | 2,5-DIHYDROFURAN | 0.32469 | 0.26347 | 0.28571 | 542.00 | 273.00 | 542.00 | 0.939 |
| 265 | C4H6O | DIVINYL ETHER | 0.28036 | 0.27600 | 0.28571 | 463.00 | 172.05 | 463.00 | 0.731 |
| 266 | C4H6O | METHACROLEIN | 0.27638 | 0.24460 | 0.28570 | 530.00 | 192.15 | 530.00 | 0.840  -- |
| 267 | C4H6O2 | 2-BUTYNE-1,4-DIOL | 0.33578 | 0.26000 | 0.28571 | 695.00 | 331.00 | 695.00 |  |
| 268 | C4H6O2 | gamma-BUTYROLACTONE | 0.32486 | 0.24071 | 0.26500 | 739.00 | 229.78 | 739.00 | 1.125 |
| 269 | C4H6O2 | cis-CROTONIC ACID | 0.31113 | 0.24175 | 0.28570 | 647.00 | **288.65** | 647.00 | 1.023 |
| 270 | C4H6O2 | trans-CROTONIC ACID | 0.30460 | 0.23990 | 0.28570 | 666.00 | 344.55 | 666.00 | -- |
| 271 | C4H6O2 | METHACRYLIC ACID | 0.31044 | 0.24380 | 0.28570 | 643.00 | **288.15** | 643.00 | 1.012 |
| 272 | C4H6O2 | METHYL ACRYLATE | 0.32153 | 0.25534 | 0.28571 | 536.00 | 196.32 | 536.00 | 0.949 |
| 273 | C4H6O2 | VINYL ACETATE | 0.31843 | 0.25803 | 0.28270 | 524.00 | 180.35 | 524.00 | 0.926 |
| 274 | C4H6O3 | ACETIC ANHYDRIDE | 0.33578 | 0.24080 | 0.26990 | 569.15 | 200.15 | 569.15 | 1.077 |
| 275 | C4H604 | SUCCINIC ACID | 0.39352 | 0.21091 | 0.28571 | 806.00 | 461.15 | 806.00 | -- |
| 276 | C4H6O5 | DIGLYCOLIC ACID | 0.40433 | 0.21500 | 0.28571 | 820.00 | 421.15 | 820.00 | --  -- |
| 277 | C4H6O5 | MALICACID | 0.40579 | 0.25800 | 0.28571 | 781.00 | 403.15 | 781.00 |  |
| 278 | C4H606 | TARTARIC ACID | 0.49068 | 0.23000 | 0.28571 | 828.00 | 479.15 | 828.00 | -- |
| 279 | C4H7N | n-BUTYRONITRILE | 0.24862 | 0.24331 | 0.28586 | 582.25 | 161.25 | 582.25 | 0.786 |
| 280 | C4H7N | ISOBUTYRONITRILE | 0.24858 | 0.24449 | 0.29985 | 565.00 | 201.70 | 565.00 | 0.766 |
| 281 | C4H7NO | ACETONE CYANOHYDRIN | 0.28033 | 0.23985 | 0.28570 | 647.00 | 253.15 | 647.00 | 0.928  -- |
| 282 | C4H7NO | 2-METHACRYLAMIDE | 0.28517 | 0.26400 | 0.29000 | 741.00 | 383.65 | 741.00 |  |
| 283 | C4H7NO | 3-METHOXYPROPIONITRILE | 0.26257 | 0.22180 | 0.28570 | 638.00 | 210.12 | 638.00 | 0.924 |
| 284 | C4H7NO | 2-PYRROLIDONE | 0.32236 | 0.24173 | 0.29639 | 792.00 | 298.15 | 792.00 | 1.108 |
| 285 | C4H8 | 1-BUTENE | 0.23224 | 0.26630 | 0.28530 | 419.59 | 87.80 | 419.59 | 0.588 |
| 286 | C4H8 | cis-2-BUTENE | 0.24085 | 0.27053 | 0.28571 | 435.58 | 134.26 | 435.58 | 0.617 |
| 287 | C4H8 | trans-2-BUTENE | 0.23730 | 0.27217 | 0.28571 | 428.63 | 167.62 | 428.63 | 0.599 |
| 288 | C4H8 | CYCLOBUTANE | 0.26698 | 0.29634 | 0.23814 | 459.93 | 182.48 | 459.93 | 0.689 |
| 289 | C4H8 | ISOBUTENE | 0.23181 | 0.26660 | 0.27964 | 417.90 | 132.81 | 417.90 | 0.589 |
| 290 | C4H8Br2 | 1,2-DIBROMOBUTANE | 0.69270 | 0.32500 | 0.28571 | 659.28 | 207.76 | 659.28 | 1.785 |
| 291 | C4H8Br2 | 2,3-DIBROMOBUTANE | 0.68750 | 0.32400 | 0.28571 | 656.96 | 238.66 | 656.96 | 1.774 |
| 292 | C4H8Cl2 | 1,4-DICHLOROBUTANE | 0.37030 | 0.25940 | 0.29729 | 641.00 | 235.85 | 641.00 | 1.135 |
| 293 | C4H8I2 | 1,2-DIIODOBUTANE | 0.72770 | 0.26500 | 0.28571 | 726.41 | 279.06 | 726.41 | 2.280 |
| 294 | C4H8O | n-BUTYRALDEHYDE | 0.26623 | 0.24820 | 0.28570 | 525.00 | 176.75 | 525.00 | 0.797 |
| 295 | C4H8O | ISOBUTYRALDEHYDE | 0.27294 | 0.25695 | 0.28571 | 507.00 | 208.15 | 507.00 | 0.784 |
| 296 | C4H8O | 1,2-EPOXYBUTANE | 0.28219 | 0.25650 | 0.28570 | 526.00 | 123.15 | 526.00 | 0.824 |
| 297 | C4H8O | METHYL ETHYL KETONE | 0.26760 | 0.25140 | 0.28570 | 535.50 | 186.48 | 535.50 | 0.799 |
| 298 | C4H8O | ETHYL VINYL ETHER | 0.27750 | 0.26793 | 0.28571 | 475.15 | 157.35 | **475.15** | 0.749 |
| 299 | C4H8O | TETRAHYDROFURAN | 0.32205 | 0.28084 | 0.29120 | 540.15 | 164.65 | 540.15 | 0.880 |
| 300 | C4H8O2 | cis-2-BUTENE-1,4-DIOL | 0.32803 | 0.24780 | 0.28570 | 677.88 | 284.15 | 677.88 | 1.070  -- |
| 301 | C4H8O2 | trans-2-BUTENE-1,4-DIOL | 0.32674 | 0.24765 | 0.28570 | 681.00 | 300.45 | 681.00 |  |
| 302 | C4H8O2 | ISOBUTYRIC ACID | 0.30227 | 0.25490 | 0.26860 | 609.15 | 227.15 | 609.15 | 0.946 |
| 303 | C4H8O2 | n-BUTYRIC ACID | 0.31132 | 0.26192 | 0.27997 | 628.00 | 267.95 | 628.00 | 0.953 |
| 304 | C4H8O2 | 1,4-DIOXANE | 0.37018 | 0.28130 | 0.30470 | 587.00 | 284.95 | 587.00 | 1.029 |
| 305 | C4H8O2 | ETHYL ACETATE | 0.30654 | 0.25856 | 0.27800 | 523.30 | 189.60 | 523.30 | 0.894 |
| 306 | C4H8O2 | METHYL PROPIONATE | 0.30991 | 0.25865 | 0.27700 | 530.60 | 185.65 | 530.60 | 0.909 |
| 307 | C4H8O2 | n-PROPYL FORMATE | 0.30848 | 0.26134 | 0.28000 | 538.00 | 180.25 | 538.00 | 0.900 |
| 308 | C4H8O2S | SULFOLANE | 0.40060 | 0.26983 | 0.30400 | 849.00 | 300.75 | 849.00 | --· |
| 309 | C4H8S | TETRAHYDROTHIOPHENE | 0.35416 | 0.29726 | 0.24882 | 631.95 | 176.99 | 631.95 | 0.997 |
| 310 | C4H9Br | 1-BROMOBUTANE | 0.42953 | 0.26278 | 0.28909 | 577.00 | 160.75 | 577.00 | 1.269 |
| 311 | C4H9Br | 2-BROMOBUTANE | 0.42818 | 0.27695 | 0.24000 | 567.00 | 161.25 | 567.00 | 1.253 |
| 312 | C4H9CI | n-BUTYL CHLORIDE | 0.30871 | 0.26429 | 0.29540 | 537.00 | 150.05 | 537.00 | 0.880 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density = A B** · <1• TITc)•n **(density • g/ml, T • K)** | | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | **n** | Tc | **TMIN** | **TMAX** | **density** @ 25 C | |
| 313 | C4H9CI | sec-BUTYL CHLORIDE | 0.30859 | 0.26946 | 0.27913 | 520.60 | 141.85 | 520.60 | 0.868 | |
| 314 | C4H9CI | tert-BUTYL CHLORIDE | 0.30888 | 0.27727 | 0.28571 | 507.00 | 247.75 | 507.00 | 0.836 | |
| 315 | C4H9I | 2-IOD0-2-METHYLPROPANE | 0.52230 | 0.26700 | 0.28571 | 587.90 | **234.96** | 587.90 | 1.536 | |
| 316 | C4H9N | PYRROLIDINE | 0.28603 | 0.26233 | 0.26330 | 568.55 | 215.31 | 568.55 | 0.860 | |
| 317 | C4H9NO | N,N-DIMETHYLACETAMIDE | 0.27141 | 0.23272 | 0.27021 | 658.00 | 253.15 | 658.00 | 0.937 | |
| **318** | C4H9NO | MORPHOLINE | 0.31566 | 0.25657 | 0.25640 | 618.00 | 270.05 | 618.00 | 0.996 | |
| 319 | C4H9NO2 | 1-NITROBUTANE | 0.31630 | 0.26000 | 0.28571 | 624.00 | 191.83 | 624.00 | 0.968 | |
| 320 | C4H9NO2 | 2-NITROBUTANE | 0.32480 | 0.26400 | 0.28571 | 615.00 | 141.16 | 615.00 | 0.978 | |
| **321** | C4H10 | n-BUTANE | 0.22827 | 0.27240 | 0.28630 | 425.18 | 134.86 | **425.18** | 0.573 | |
| 322 | C4H10 | ISOBUTANE | 0.22281 | 0.27294 | 0.27301 | 408.14 | 113.54 | 408.14 | 0.552 | |
| 323 | C4H10N2 | PIPERAZINE | 0.27801 | 0.32300 | 0.28571 | 638.00 | 379.15 | 638.00 | -- | |
| 324 | C4H10O | n-BUTANOL | 0.26891 | 0.26674 | 0.24570 | 562.93 | 183.85 | 562.93 | 0.806 | |
| 325 | C4H10O | sec-BUTANOL | 0.273'13 | 0.26350 | 0.26040 | 536.01 | 158.45 | 536.01 | 0.805 | |
| 326 | C4H10O | tert-BUTANOL | 0.26921 | 0.25650 | 0.27370 | 506.20 | 298.97 | 506.20 | --· | |
| 327 | C4H10O | DIETHYL ETHER | 0.27267 | 0.27608 | 0.29358 | 466.70 | 156.85 | 466.70 | 0.708 | |
| 328 | C4H10O | METHYL-PROPYL-ETHER | 0.26370 | 0.26300 | 0.28571 | 476.20 | 156.87 | 476.20 | 0.723 | |
| 329 | C4H10O | METHYL ISOPROPYL ETHER | 0.26856 | 0.28478 | 0.24440 | 464.50 | 127.93 | 464.50 | 0.714 | |
| 330 | C4H10O | ISOBUTANOL | 0.26984 | 0.27206 | 0.23435 | 547.73 | 165.15 | 547.73 | 0.797 | |
| 331 | C4H10O2 | 1,3-BUTANEDIOL | 0.32441 | 0.25980 | 0.28570 | 643.00 | 196.15 | 643.00 | 1.002 -- | |
| 332 | C4H10O2 | 1,4-BUTANEDIOL | 0.31558 | 0.25131 | 0.28570 | 667.00 | 293.05 | 667.00 | 1.013 | |
| 333 | C4H10O2 | 2,3-BUTANEDIOL | 0.33718 | 0.26990 | 0.28600 | 611.00 | 280.75 | 611.00 | 0.994 | -- |
| **334** | C4H10O2 | I-BUTYL HYDROPEROXIDE | 0.30445 | 0.26825 | 0.28570 | 576.00 | 277.45 | 576.00 | 0.886 |
| 335 | C4H10O2 | 1,2-DIMETHOXYETHANE | 0.29886 | 0.26183 | 0.28571 | 536.15 | 215.15 | 536.15 | 0.865 | |
| 336 | C4H10O2 | 2-ETHOXYETHANOL | 0.31086 | 0.25983 | 0.28570 | 569.00 | 183.00 | 569.00 | 0.925 | |
| 337 | C4H10O3 | DIETHYLENE GLYCOL | 0.34013 | 0.26112 | 0.24220 | 744.60 | 262.70 | 744.60 | 1.114 | |
| 338 | C4H1004S | DIETHYL SULFATE | 0.38743 | 0.26131 | 0.40840 | 792.00 | 248.00 | 792.00 | 1.172 | |
| 339 | C4H10S | n-BUTYL MERCAPTAN | 0.29378 | 0.27053 | 0.29944 | 569.00 | 157.46 | 569.00 | 0.837 | |
| 340 | C4H10S | ISOBUTYL MERCAPTAN | 0.29378 | 0.28222 | 0.25951 | 559.00 | 128.31 | 559.00 | 0.830 | |
| 341 | C4H10S | sec-BUTYL MERCAPTAN | 0.29378 | 0.27024 | 0.30682 | 554.00 | 133.02 | 554.00 | 0.825 | |
| 342 | C4H10S | tert-BUTYL MERCAPTAN | 0.29377 | 0.27351 | 0.32002 | 530.00 | 274.26 | 530.00 | 0.795 | |
| **343** | C4H10S | DIETHYL SULFIDE | 0.28226 | 0.26333 | 0.27445 | 557.15 | 169.20 | 557.15 | 0.832 | |
| **344** | C4H10S | ISOPROPYL-METHYL-SULFIDE | 0.28830 | 0.26900 | 0.28571 | 551.00 | 171.65 | 551.00 | 0.825 | |
| **345** | C4H10S | METHYL-PROPYL-SULFIDE | 0.28790 | 0.26600 | 0.28571 | 563.00 | 160.19 | 563.00 | 0.837 | |
| **346** | C4H10S2 | DIETHYL DISULFIDE | 0.34157 | 0.27764 | 0.30060 | 642.00 | 171.63 | 642.00 | 0.988 | |
| 347 | C4H11N | n-BUTYLAMINE | 0.23379 | 0.24470 | 0.24278 | 531.90 | 224.05 | 531.90 | 0.741 | |
| **348** | C4H11N | ISOBUTYLAMINE | 0.23429 | **0.24789** | 0.23650 | 513.73 | 188.55 | 513.73 | 0.730 | |
| 349 | C4H11N | sec-BUTYLAMINE | 0.23593 | 0.25100 | 0.24711 | 514.30 | 168.65 | 514.30 | 0.720 | |
| 350 | C4H11N | tert-BUTYLAMINE | 0.24960 | 0.27438 | 0.25400 | 483.90 | 206.19 | **483.90** | 0.688 | |
| 351 | C4H11N | DIETHYLAMINE | 0.24111 | 0.25362 | 0.27280 | 496.60 | 223.35 | 496.60 | 0.702 | |
| 352 | C4H11NO | DIMETHYLETHANOLAMINE | 0.29716 | 0.26120 | 0.28571 | 571.82 | 214.15 | 571.82 | 0.882 | |
| 353 | C4H11NO2 | DIETHANOLAMINE | 0.30126 | 0.23968 | 0.18920 | 715.00 | 301.15 | 715.00 | -- | |
| **354** | C4H11NO2 | 2-AMINOETHOXYETHANOL | 0.31903 | 0.24723 | 0.28571 | 699.00 | 293.15 | 699.00 | 1.051 | |
| 355 | C4H12N2O | N-AMINOETHYL ETHANOLAMINE | 0.31637 | 0.25300 | 0.28570 | 698.00 | 273.15 | 698.00 | 1.022 | |
| 356 | C4H12Si | TETRAMETHYLSILANE | 0.24713 | 0.26978 | 0.29380 | 450.40 | 174.07 | 450.40 | 0.641 | |
| 357 | C4H13N3 | DIETHYLENE TRIAMINE | 0.30174 | 0.25671 | 0.28571 | 676.00 | 234.15 | 676.00 | 0.954 | |
| **358** | C5Cl6 | HEXACHLOROCYCLOPENTADIENE | 0.52106 | 0.25404 | 0.28570 | 746.00 | **284.49** | 746.00 | 1.703 | |
| 359 | C5H4O2 | FURFURAL | 0.37235 | 0.26030 | 0.28570 | 657.00 | 236.65 | 657.00 | 1.155 | |
| 360 | C5H5N | PYRIDINE | 0.30752 | 0.24333 | 0.30450 | 619.95 | 231.53 | 619.95 | 0.979 | |
| 361 | C5H6 | CYCLOPENTADIENE | 0.29310 | 0.27553 | 0.28571 | 507.00 | 188.15 | 507.00 | 0.797 | |
| 362 | C5H6 | 2-METHYL-1-BUTENE-3-YNE | 0.26653 | 0.27671 | 0.30821 | 492.00 | 160.15 | 492.00 | 0.699 | |
| 363 | C5H6 | 1-PENTENE-3-YNE | 0.25821 | 0.24054 | 0.36452 | 520.00 | 150.00 | 520.00 | 0.734 | |
| **364** | C5H6 | 1-PENTENE-4-YNE | 0.26065 | 0.26680 | 0.28570 | 503.00 | 150.00 | 503.00 | 0.724 | |
| 365 | C5H6N2 | GLUTARONITRILE | 0.26738 | 0.21579 | **0.34480** | 782.00 | 244.21 | 782.00 | 0.981 | |
| 366 | C5H6O2 | FURFURYL ALCOHOL | 0.37299 | 0.27753 | 0.23180 | 632.00 | 258.52 | 632.00 | 1.127 | |
| 367 | C5H603 | GLUTARIC ANHYDRIDE | 0.41477 | 0.22900 | 0.28571 | 838.00 | 328.00 | 838.00 | ---- | |
| **368** | C5H604 | CITRACONIC ACID | 0.37251 | **0.21484** | 0.28570 | 829.00 | 356.15 | 829.00 |  | |
| 369 | C5H604 | ITACONIC ACID | 0.37298 | 0.21666 | 0.28570 | 821.00 | 438.75 | 821.00 | -- | |
| 370 | **C5H6S** | 2-METHYLTHIOPHENE | 0.33860 | 0.26500 | **0.28571** | 610.00 | 209.77 | 610.00 | 1.014 | |
| 371 | **C5H6S** | 3-METHYLTHIOPHENE | 0.33660 | 0.26300 | 0.28571 | 615.00 | **204.18** | 615.00 | 1.016 | |
| 372 | C5H7N | N-METHYLPYRROLE | **0.28663** | 0.23565 | 0.34379 | 610.00 | 216.91 | 610.00 | 0.903 | |
| 373 | C5H7NO2 | ETHYLCYANOACETATE | 0.31595 | 0.23894 | 0.29300 | 679.00 | 250.65 | 679.00 | 1.058 | |
| **374** | C5H8 | CYCLOPENTENE | **0.28148** | **0.27498** | 0.28571 | 507.00 | 138.13 | 507.00 | 0.767 | |
| 375 | C5H8 | ISOPRENE | 0.24604 | **0.26488** | 0.28571 | **484.00** | 127.27 | 484.00 | 0.676 | |
| 376 | C5H8 | 3-METHYL-1,2-BUTADIENE | 0.23409 | 0.24625 | 0.29041 | 490.00 | 159.53 | 490.00 | 0.681 | |
| 377 | C5H8 | 2-METHYL-1,3-BUTADIENE | 0.23400 | 0.24800 | 0.28571 | 483.30 | 127.20 | **483.30** | 0.675 | |
| 378 | **C5H8** | 1,2-PENTADIENE | 0.24681 | **0.26440** | 0.28786 | 500.00 | 135.89 | 500.00 | 0.688 | |
| 379 | C5H8 | cis-1,3-PENTADIENE | 0.23992 | 0.25594 | **0.28570** | 499.00 | 132.35 | 499.00 | 0.686 | |
| **380** | C5H8 | trans-1,3-PENTADIENE | 0.24681 | 0.26773 | 0.30401 | 500.00 | 185.71 | 500.00 | 0.671 | |
| 381 | C5H8 | 1,4-PENTADIENE | 0.22482 | 0.22721 | 0.33730 | 479.00 | 124.86 | 479.00 | 0.653 | |
| **382** | C5H8 | 2,3-PENTADIENE | 0.23091 | 0.24613 | 0.27012 | 497.00 | 147.50 | 497.00 | 0.690 | |
| **383** | C5H8 | 1-PENTYNE | 0.24591 | 0.23520 | 0.35300 | 481.20 | 167.45 | 481.20 | 0.688 | |
| **384** | C5H8 | 2-PENTYNE | 0.25230 | 0.27000 | 0.28571 | 521.99 | 163.86 | 521.99 | 0.705 | |
| **385** | C5H8 | 3-METHYL-1-BUTYNE | 0.24770 | 0.26008 | 0.30807 | 463.20 | 183.45 | 463.20 | 0.660 | |
| **386** | C5H8 | SPIROPENTANE | 0.28800 | 0.29700 | 0.28571 | 499.74 | 166.11 | 499.74 | 0.735 | |
| 387 | C5H8N4O12 | PENTAERYTHRITOL TETRANITRATE | 0.43297 | 0.29100 | 0.28571 | 676.00 | 413.65 | 676.00 | -- | |
| **388** | C5H8O | CYCLOPENTANONE | 0.32605 | 0.27182 | 0.31334 | 626.00 | 221.85 | 626.00 | 0.945 | |
| **389** | C5H8O | METHYL ISOPROPENYL KETONE | 0.27709 | 0.25094 | 0.28570 | 566.00 | 219.55 | 566.00 | 0.846 | |
| 390 | C5H8O2 | ACETYLACETONE | 0.30995 | 0.25792 | 0.25054 | 602.00 | 249.65 | 602.00 | 0.971 | |

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| **density = A B** ·11 • TrrcJ•n **(density • g/ml, T - K)** | | | | | | | | | |
| NO | **FORMULA** | **NAME** | **A** | **B** | **n** | Tc | **TMIN** | **TMAX** | **density@ 25 C** |
| 391 | C5H8O2 | ALLYL ACETATE | 0.30889 | 0.25663 | 0.28571 | 559.00 | 138.00 | 559.00 | 0.922 |
| 392 | C5H8O2 | ETHYL ACRYLATE | 0.31019 | 0.25833 | 0.28571 | 553.00 | 201.95 | 553.00 | 0.918 |
| 393 | C5H8O2 | METHYL METHACRYLATE | 0.30985 | 0.25357 | 0.28571 | 564.00 | 224.95 | 564.00 | 0.937  -- |
| 394 | C5H8O2 | VINYL PROPIONATE | 0.30976 | 0.26200 | 0.28571 | 546.00 | 364.35 | 546.00 |  |
| 395 | C5H8O3 | 2-HYDROXYETHYL ACRYLATE | 0.32342 | 0.25961 | 0.28570 | 662.00 | 213.00 | 662.00 | 1.008 |
| 396 | C5H8O3 | LEVULINIC ACID | 0.33854 | 0.24979 | 0.25720 | 723.00 | 308.15 | 723.00 | -- |
| 397 | C5H8O3 | METHYLACETOACETATE | 0.33853 | 0.26807 | 0.21300 | 642.00 | 193.15 | 642.00 | 1.072  -- |
| 398 | C5H804 | GLUTARIC ACID | 0.36394 | 0.24540 | 0.25522 | 807.00 | 370.65 | 807.00 |  |
| 399 | C5H9N | VALERONITRILE | 0.25121 | 0.24826 | 0.27970 | 603.00 | 176.95 | 603.00 | 0.794 |
| 400 | C5H9NO | n-BUTYL ISOCYANATE | 0.27538 | 0.20710 | 0.41200 | 568.00 | 193.00 | 568.00 | 0.877 |
| 401 | C5H9NO | N-METHYL-2-PYRROLIDONE | 0.31372 | 0.25432 | 0.27360 | 724.00 | 249.15 | 724.00 | 1.025  -- |
| 402 | C5H9N04 | L-GLUTAMIC ACID | 0.38403 | 0.21500 | 0.28571 | 886.00 | 497.15 | 886.00 |  |
| 403 | C5H10 | CYCLOPENTANE | 0.27236 | 0.27247 | 0.28571 | 511.76 | 179.31 | 511.76 | 0.750 |
| 404 | C5H10 | 2-METHYL-1-BUTENE | 0.23663 | 0.26065 | 0.28570 | 465.00 | 135.58 | 465.00 | 0.645 |
| 405 | C5H10 | 2-METHYL-2-BUTENE | 0.23693 | 0.25700 | 0.28571 | 471.00 | 139.39 | 471.00 | 0.657 |
| 406 | C5H10 | 3-METHYL-1-BUTENE | 0.23215 | 0.26924 | 0.26388 | 450.37 | 104.66 | 450.37 | 0.622 |
| 407 | C5H10 | 1-PENTENE | 0.23787 | 0.26648 | 0.29050 | 464.78 | 107.93 | 464.78 | 0.635 |
| 408 | C5H10 | cis-2-PENTENE | 0.23217 | 0.25138 | 0.29862 | 475.93 | 121.75 | 475.93 | 0.650 |
| 409 | C5H10 | trans-2-PENTENE | 0.23215 | 0.26198 | 0.27760 | 475.37 | 132.89 | 475.37 | 0.643 |
| 410 | C5H10Br2 | 2,3-DIBROMO-2-METHYLBUTANE | 0.54420 | 0.32400 | 0.28571 | 668.37 | 288.00 | 668.37 | 1.410 |
| 411 | C5H10Cl2 | 1,5-DICHLOROPENTANE | 0.33398 | 0.24438 | 0.28571 | 663.00 | 200.35 | 663.00 | 1.096 |
| 412 | C5H10O | METHYL ISOPROPYL KETONE | 0.27526 | 0.26204 | 0.28570 | 553.00 | 181.15 | 553.00 | 0.805 |
| 413 | C5H10O | 2-PENTANONE | 0.28617 | 0.26662 | 0.32850 | 561.08 | 196.29 | 561.08 | 0.802 |
| 414 | C5H10O | DIETHYL KETONE | 0.25635 | 0.24291 | 0.27364 | 560.95 | 234.18 | 560.95 | 0.810 |
| 415 | C5H10O | VALERALDEHYDE | 0.27258 | 0.27025 | 0.24456 | 554.00 | 182.00 | 554.00 | 0.805 |
| 416 | C5H10O2 | n-BUTYL FORMATE | 0.30397 | 0.26606 | 0.27850 | 559.00 | 181.25 | 559.00 | 0.887 |
| 417 | C5H10O2 | ETHYL PROPIONATE | 0.30663 | 0.26280 | 0.29420 | 546.00 | 199.25 | 546.00 | **0.884** |
| 418 | C5H10O2 | ISOBUTYL FORMATE | 0.29013 | 0.25670 | 0.26830 | 551.35 | 177.35 | 551.35 | 0.875 |
| 419 | C5H10O2 | ISOPROPYL ACETATE | 0.30574 | 0.26734 | 0.28600 | 538.00 | 199.75 | 538.00 | 0.871 |
| 420 | C5H10O2 | n-PROPYL ACETATE | 0.29499 | 0.25600 | 0.27830 | 549.40 | 178.15 | 549.40 | 0.883 |
| 421 | C5H10O2 | METHYL n-BUTYRATE | 0.29809 | 0.25700 | 0.27720 | 554.50 | 187.35 | 554.50 | 0.893 |
| 422 | C5H10O2 | 2-METHYLBUTYRIC ACID | 0.29438 | 0.25244 | 0.28571 | 643.00 | 193.00 | 643.00 | 0.932 |
| 423 | C5H10O2 | ISOVALERIC ACID | 0.30463 | 0.26610 | 0.27430 | 634.00 | 243.85 | 634.00 | 0.926 |
| 424 | C5H10O2 | VALERIC ACID | 0.30423 | 0.26363 | 0.28151 | 651.00 | 239.15 | 651.00 | 0.934 |
| 425 | C5H10O2 | TETRAHYDROFURFURYLALCOHOL | 0.35218 | 0.28281 | 0.23330 | 639.00 | 193.00 | 639.00 | 1.048 |
| 426 | C5H10O2S | 3-METHYL SULFOLANE | 0.38016 | 0.26878 | 0.31440 | 817.00 | 273.65 | 817.00 | 1.188 |
| 427 | C5H10O3 | DIETHYL CARBONATE | 0.33184 | 0.26670 | 0.28570 | 576.00 | 230.15 | 576.00 | 0.970 |
| 428 | C5H10O3 | ETHYL LACTATE | 0.33372 | 0.21190 | 0.45530 | 588.00 | 247.15 | 588.00 | 1.027 |
| 429 | C5H10S | THIACYCLOHEXANE | 0.30760 | 0.25200 | 0.28571 | 657.12 | 292.14 | 657.12 | 0.981 |
| 430 | C5H10S | CYCLOPENTANETHIOL | 0.32910 | 0.27600 | 0.28571 | 629.00 | 155.39 | 629.00 | 0.961 |
| 431 | C5H11Br | 1-BROMOPENTANE | 0.46230 | 0.30300 | 0.28571 | 564.76 | 185.26 | 564.76 | 1.212 |
| 432 | C5H11CI | 1-CHLOROPENTANE | 0.30284 | 0.26950 | 0.28040 | 568.00 | 174.15 | 568.00 | 0.878 |
| 433 | C5H11CI | 1-CHLOR0-3-METHYLBUTANE | 0.29190 | 0.25900 | 0.28571 | 558.87 | 168.76 | 558.87 | 0.865 |
| 434 | C5H11CI | 2-CHLORO-2-METHYLBUTANE | 0.29560 | 0.26300 | 0.28571 | 548.97 | 199.66 | 548.97 | 0.860 |
| 435 | C5H11N | N-METHYLPYRROLIDINE | 0.28582 | 0.27360 | 0.28600 | 550.00 | 183.15 | 550.00 | 0.806 |
| 436 | C5H11N | PIPERIDINE | 0.27645 | 0.25460 | 0.27140 | 594.05 | 262.65 | 594.05 | 0.858 |
| 437 | C5H11NO | tert-BUTYLFORMAMIDE | 0.26401 | 0.23707 | 0.28571 | 692.00 | 289.15 | 692.00 | 0.899 |
| 438 | C5H12 | ISOPENTANE | 0.23725 | 0.27610 | 0.28673 | 460.43 | 113.25 | 460.43 | 0.616 |
| 439 | C5H12 | NEOPENTANE | 0.23295 | 0.27380 | 0.29195 | 433.78 | 256.58 | 433.78 | 0.586 |
| 440 | C5H12 | n-PENTANE | 0.23143 | 0.26923 | 0.28215 | 469.65 | 143.42 | 469.65 | 0.621  -- |
| 441 | C5H12O | 2,2-DIMETHYL-1-PROPANOL | 0.27001 | 0.27700 | 0.28571 | 550.00 | 327.15 | 550.00 | -- |
| 442 | C5H12O | tert-PENTYL-ALCOHOL | 0.29300 | 0.28000 | 0.28571 | 549.00 | 327.00 | 549.00 |  |
| 443 | C5H12O | 2-METHYL-1-BUTANOL | 0.26957 | 0.26829 | 0.23220 | 565.00 | 203.00 | 565.00 | 0.814 |
| 444 | C5H12O | 2-METHYL-2-BUTANOL | 0.26959 | 0.25962 | 0.26470 | 545.15 | 264.35 | 545.15 | 0.805 |
| 445 | C5H12O | 3-METHYL-1-BUTANOL | 0.27219 | 0.26080 | 0.28570 | 579.45 | 155.95 | 579.45 | 0.812 |
| 446 | C5H12O | 3-METHYL-2-BUTANOL | 0.27665 | 0.26440 | 0.28570 | 574.00 | 188.00 | 574.00 | 0.814 |
| 447 | C5H12O | 1-PENTANOL | 0.26923 | 0.26730 | 0.25060 | 586.15 | 195.56 | 586.15 | 0.812 |
| 448 | C5H12O | 2-PENTANOL | 0.27942 | 0.26670 | 0.28570 | 552.00 | 200.00 | 552.00 | 0.805 |
| 449 | C5H12O | 3-PENTANOL | 0.28353 | 0.26520 | 0.28570 | 547.00 | 204.15 | 547.00 | 0.818 |
| 450 | C5H12O | METHYL sec-BUTYL ETHER | 0.26892 | 0.26996 | 0.28570 | 498.00 | 150.00 | 498.00 | 0.737 |
| 451 | C5H12O | METHYL tert-BUTYL ETHER | 0.26791 | 0.27032 | 0.28290 | 497.10 | 164.55 | 497.10 | 0.735 |
| 452 | C5H120 | METHYL ISOBUTYL ETHER | 0.26663 | 0.27282 | 0.28570 | 497.00 | 150.00 | 497.00 | 0.725 |
| 453 | C5H12O | ETHYLPROPYLETHER | 0.26206 | 0.26600 | 0.29200 | 500.23 | 145.65 | 500.23 | 0.724 |
| 454 | C5H12O2 | ETHYLENE GLYCOL MONOPROPYL ETHER | 0.30303 | 0.26066 | 0.28570 | 582.00 | 183.15 | 582.00 | 0.906  -- |
| 455 | C5H12O2 | NEOPENTYL GLYCOL | 0.30146 | 0.27400 | 0.28571 | 643.00 | 400.00 | 643.00 |  |
| 456 | C5H12O2 | 1,5-PENTANEDIOL | 0.30820 | 0.25064 | 0.28570 | 673.00 | 257.15 | 673.00 | 0.994 |
| 457 | C5H12O3 | 2·(2-METHOXYETHOXY)ETHANOL | 0.32247 | 0.25180 | 0.28570 | 630.00 | 197.15 | 630.00 | 1.017  -- |
| 458 | C5H1204 | PENTAERYTHRITOL | 0.35711 | 0.28100 | 0.29000 | 780.00 | 534.15 | 780.00 |  |
| 459 | C5H12S | n-PENTYL MERCAPTAN | 0.29030 | 0.27123 | 0.30131 | 598.00 | 197.45 | 598.00 | 0.838 |
| 460 | C5H12S | BUTYL-METHYL-SULFIDE | 0.28260 | 0.26500 | 0.28571 | 591.00 | 175.33 | 591.00 | 0.838 |
| 461 | C5H12S | ETHYL-PROPYL-SULFIDE | 0.28440 | 0.26800 | 0.28571 | 584.00 | 156.15 | 584.00 | 0.832 |
| 462 | C5H12S | 2-METHYL-2-BUTANETHIOL | 0.30050 | 0.28800 | 0.28571 | 566.00 | 169.38 | 566.00 | 0.821 |
| 463 | C5H13N | n-PENTYLAMINE | 0.23881 | 0.24876 | 0.25190 | 555.00 | 218.15 | 555.00 | 0.751 |
| 464 | C5H13NO2 | METHYL DIETHANOLAMINE | 0.32253 | 0.25430 | 0.28570 | 678.00 | 252.15 | 678.00 | 1.029  -- |
| 465 | C6Cl6 | HEXACHLOROBENZENE | 0.54029 | 0.21900 | 0.28571 | 825.00 | 501.70 | 825.00 |  |
| 466 | C6F6 | HEXAFLUOROBENZENE | 0.55556 | 0.25947 | 0.27853 | 516.73 | **278.25** | 516.73 | 1.606 |
| 467 | C6H3CIN204 | 1-CHLOR0-2,4-DINITROBENZENE | 0.42377 | 0.23584 | 0.24220 | 813.77 | 326.55 | 813.77 | -- |
| 468 | C6H3Cl2NO2 | 1,2-DICHLORO-4-NITROBENZENE | 0.44041 | 0.24309 | 0.27433 | 758.00 | 315.65 | 758.00 | -- |

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| **density = A B** ·11 • T/Tc)•n **(density - g/ml, T - K)** | | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density@ 25** C | |
| 469 | C6H3Cl3 | 1,2,4-TRICHLOROBENZENE | 0.44365 | 0.25240 | 0.28570 | 725.00 | 290.15 | 725.00 | **1.449** | |
| 470 | C6H3N306 | 1,3,5-TRINITROBENZENE | 0.40975 | 0.21100 | 0.28571 | 1005.00 | **398.40** | 1005.00 | -- | |
| 471 | C6H4Br2 | m-DIBROMOBENZENE | **0.63364** | 0.27420 | **0.2857** | 761.00 | 266.25 | 761.00 | 1.947 | |
| **472** | C6H4CINO2 | m-CHLORONITROBENZENE | 0.36472 | 0.22340 | **0.24499** | 742.00 | 317.65 | 742.00 | -- | |
| **473** | C6H4CINO2 | o-CHLORONITROBENZENE | 0.40415 | 0.24650 | 0.28570 | 757.00 | 306.15 | 757.00 | -- | |
| **474** | C6H4CINO2 | p-CHLORONITROBENZENE | 0.36473 | 0.23023 | **0.22680** | 751.00 | 356.65 | 751.00 | -- | |
| **475** | C6H4Cl2 | m-DICHLOROBENZENE | **0.41882** | 0.26147 | 0.31526 | 683.95 | **248.39** | **683.95** | 1.283 | |
| **476** | C6H4Cl2 | o-DICHLOROBENZENE | **0.41887** | 0.26112 | 0.30815 | 705.00 | 256.15 | 705.00 | 1.301 | |
| **477** | C6H4Cl2 | p-DICHLOROBENZENE | **0.41880** | 0.26276 | 0.30788 | **684.75** | **326.14** | 684.75 | -- | |
| **478** | C6H4F2 | m-DIFLUOROBENZENE | 0.40070 | 0.26500 | 0.28571 | 552.94 | 249.16 | 552.94 | 1.162 | |
| **479** | C6H4F2 | o-DIFLUOROBENZENE | 0.39520 | 0.26400 | 0.28571 | 554.46 | 239.16 | **554.46** | 1.150 | |
| **480** | C6H4F2 | p-DIFLUOROBENZENE | 0.40120 | 0.26600 | 0.28571 | 556.00 | 260.16 | 556.00 | 1.162 | |
| **481** | C6H4N204 | m-DINITROBENZENE | 0.38739 | 0.23724 | 0.22716 | 805.00 | 364.00 | 805.00 | -- | |
| **482** | C6H4N204 | o-DINITROBENZENE | 0.38708 | 0.24200 | 0.28571 | 831.00 | 390.08 | 831.00 | -- | |
| 483 | C6H4N204 | p-DINITROBENZENE | 0.38776 | 0.25000 | 0.28571 | 803.00 | 446.60 | 803.00 | -- | |
| **484** | C6H5Br | BROMOBENZENE | 0.48497 | 0.26632 | 0.28210 | 670.15 | 242.43 | 670.15 | 1.487 | |
| 485 | C6H5CI | MONOCHLOROBENZENE | 0.37818 | 0.27648 | 0.29036 | 632.35 | 227.95 | 632.35 | 1.101 | |
| 486 | C6H5CIO | m-CHLOROPHENOL | 0.41332 | 0.27300 | 0.28570 | 729.00 | 306.00 | 729.00 | -- | |
| **487** | C6H5CIO | o-CHLOROPHENOL | 0.39564 | 0.25865 | 0.27140 | 675.00 | 282.00 | 675.00 | 1.255 | |
| **488** | C6H5CIO | I o-CHLOROPHENOL | 0.39568 | 0.25180 | 0.29540 | 738.00 | 316.00 | 738.00 | -- | |
| **489** | C6H5Cl2N | 3,4-DICHLOROANILINE | 0.40679 | 0.24610 | 0.28570 | 800.00 | 344.65 | 800.00 | --· | |
| 490 | C6H5F | FLUOROBENZENE | 0.35747 | 0.27277 | 0.28291 | 560.09 | 230.94 | 560.09 | 1.019 | |
| 491 | C6H5I | IODOBENZENE | 0.58162 | 0.26381 | 0.28950 | 721.15 | 241.83 | 721.15 | 1.822 | |
| **492** | C6H5NO2 | NITROBENZENE | 0.36140 | 0.24731 | 0.28570 | 719.00 | 278.91 | 719.00 | 1.199 | |
| 493 | C6H6 | BENZENE | 0.30090 | 0.26770 | 0.28180 | 562.16 | 278.68 | 562.16 | 0.873 | |
| 494 | C6H6CIN | m-CHLOROANILINE | 0.35047 | 0.23202 | 0.32410 | 751.00 | 262.75 | 751.00 | 1.211 | |
| 495 | C6H6CIN | o-CHLOROANILINE | 0.35054 | 0.24214 | 0.26040 | 722.00 | 481.99 | 722.00 | ---- | |
| 496 | C6H6CIN | p-CHLOROANILINE | 0.35048 | 0.23739 | 0.28500 | 754.00 | 343.05 | 754.00 | -- | |
| 497 | C6H6N2 | cis-DICYAN0-1-BUTENE | 0.27111 | 0.20100 | 0.28571 | 691.00 | 249.00 | 691.00 | 1.062 | |
| **498** | C6H6N2 | trans-DICYAN0-1-BUTENE | 0.27055 | 0.20200 | 0.28571 | 689.00 | 260.00 | 689.00 | 1.054 | |
| **499** | C6H6N2 | 1,4-DICYAN0-2-BUTENE | 0.24885 | 0.20040 | 0.28571 | 755.00 | 349.00 | 755.00 | -- | |
| 500 | C6H6N2O2 | m-NITROANILINE | 0.34128 | 0.26400 | 0.28571 | 815.00 | 387.15 | 815.00 | -- | |
| 501 | C6H6N2O2 | o-NITROANILINE | 0.34058 | 0.27500 | 0.28571 | 784.00 | 344.65 | 784.00 | -- | |
| **502** | C6H6N2O2 | p-NITROANILINE | 0.34240 | 0.25200 | 0.28571 | 851.00 | 420.65 | 851.00 | -- | |
| 503 | C6H6O | PHENOL | 0.41476 | 0.32162 | 0.32120 | 694.25 | 314.06 | 694.25 | -- | |
| 504 | C6H6O2 | 1,2-BENZENEDIOL | 0.36704 | 0.25257 | 0.26690 | 764.00 | 377.60 | 764.00 | -- | |
| 505 | C6H6O2 | 1,3-BENZENEDIOL | 0.36705 | 0.25652 | 0.24327 | 810.00 | 382.00 | 810.00 | -- | |
| 506 | C6H6O2 | p-HYDROQUINONE | 0.36707 | 0.32700 | 0.28571 | 822.00 | 444.65 | 822.00 | -- | |
| 507 | C6H6O3 | 1,2,3-BENZENETRIOL | 0.39752 | 0.40500 | 0.28571 | 830.00 | 407.00 | 830.00 | -- | |
| 508 | C6H6S | PHENYL MERCAPTAN | 0.34977 | 0.26326 | 0.30798 | 689.00 | 258.26 | 689.00 | 1.073 | |
| 509 | C6H7N | ANILINE | 0.31190 | 0.25000 | 0.28571 | 699.00 | 267.13 | 699.00 | 1.018 | |
| 510 | C6H7N | 2-METHYLPYRIDINE | 0.29103 | 0.24646 | 0.27179 | 621.00 | 206.44 | 621.00 | 0.940 | |
| 511 | C6H7N | 3-METHYLPYRIDINE | 0.29102 | 0.24342 | 0.28343 | 645.00 | 255.01 | 645.00 | 0.952 | |
| 512 | C6H7N | 4-METHYLPYRIDINE | 0.28600 | 0.24104 | 0.27524 | 646.15 | 276.73 | 646.15 | 0.950 | |
| 513 | C6H8 | 1,3-CYCLOHEXADIENE | 0.28927 | 0.25874 | 0.31490 | 558.00 | 161.00 | 558.00 | 0.837 | |
| 514 | C6H8 | METHYLCYCLOPENTADIENE | 0.28769 | 0.27431 | 0.28571 | 541.00 | 150.00 | 541.00 | 0.805 | |
| 515 | C6H8N2 | ADIPONITRILE | 0.26638 | 0.23008 | 0.28379 | 781.00 | 275.64 | 781.00 | 0.960 | |
| 516 | C6H8N2 | METHYLGLUTARONITRILE | 0.26768 | 0.21875 | 0.35460 | 742.00 | 228.15 | 742.00 | 0.950 | |
| 517 | C6H8N2 | m-PHENYLENEDIAMINE | 0.28684 | 0.21430 | 0.25364 | 824.00 | 334.00 | 824.00 | -- | |
| 518 | C6H8N2 | o-PHENYLENEDIAMINE | 0.34379 | 0.25093 | 0.28571 | 781.00 | 376.95 | 781.00 | -- | |
| 519 | C6H8N2 | p-PHENYLENEDIAMINE | 0.34134 | 0.24797 | 0.28571 | 796.00 | 413.00 | 796.00 | --· | |
| 520 | C6H8N2 | PHENYLHYDRAZINE | 0.25872 | 0.19684 | 0.24048 | 761.00 | 292.35 | 761.00 | 1.094 | |
| 521 | C6H8N2O | BIS(CYANOETHYL)ETHER | 0.32929 | 0.26359 | 0.30190 | 783.00 | 246.85 | 783.00 | 1.044 | |
| 522 | C6H804 | DIMETHYL MALEATE | 0.35765 | 0.25098 | 0.29120 | 675.00 | 254.15 | 675.00 | 1.148 | |
| 523 | **C6H806** | ASCORBIC ACID | 0.52025 | 0.27509 | 0.28571 | 783.00 | 465.15 | 783.00 | --- | |
| 524 | C6H8O7 | CITRIC ACID | 0.44643 | 0.23915 | 0.28570 | 822.00 | 426.15 | 822.00 | --· | |
| 525 | C6H10 | 1-METHYLCYCLOPENTENE | 0.27600 | 0.27300 | 0.28571 | 541.99 | 145.96 | 541.99 | 0.776 | |
| **526** | C6H10 | 3-METHYLCYCLOPENTENE | 0.26790 | 0.26900 | 0.28571 | 535.71 | 130.16 | 535.71 | 0.759 | |
| 527 | C6H10 | 4-METHYLCYCLOPENTENE | 0.26490 | 0.26500 | 0.28571 | 543.75 | 112.31 | 543.75 | 0.763 | |
| 528 | C6H10 | CYCLOHEXENE | 0.28236 | 0.27161 | 0.28571 | 560.40 | 169.67 | 560.40 | 0.806 | |
| 529 | C6H10 | 2,3-DIMETHYL-1,3-BUTADIENE | 0.25998 | 0.27194 | 0.28900 | 526.00 | 197.15 | 526.00 | 0.723 | |
| 530 | C6H10 | 1,5-HEXADIENE | 0.24231 | 0.26619 | 0.26770 | 507.00 | 132.47 | 507.00 | 0.688 | |
| 531 | C6H10 | cis,trans-2,4-HEXADIENE | 0.24751 | 0.26020 | 0.28910 | 538.00 | 177.05 | 538.00 | 0.719 | |
| 532 | C6H10 | trans,trans-2,4-HEXADIENE | 0.24817 | 0.26626 | 0.28209 | 535.00 | 228.25 | 535.00 | 0.710 | |
| 533 | C6H10 | 1-HEXYNE | 0.25511 | 0.27185 | 0.27710 | 516.20 | 141.25 | 516.20 | 0.712 | |
| 534 | C6H10 | 2-HEXYNE | 0.24817 | 0.25248 | 0.31611 | 549.00 | 183.65 | 549.00 | 0.727 | |
| 535 | C6H10 | 3-HEXYNE | 0.24596 | 0.26065 | 0.28571 | 544.00 | 170.05 | 544.00 | 0.718 | |
| 536 | C6H10O | CYCLOHEXANONE | 0.31558 | 0.27183 | 0.27167 | 629.15 | 242.00 | 629.15 | 0.942 | |
| 537 | C6H10O | MESITYL OXIDE | 0.27648 | 0.25438 | 0.28484 | 600.00 | 220.15 | 600.00 | 0.852 | |
| **538** | C6H10O2 | epsilon-CAPROLACTONE | 0.32432 | 0.25420 | 0.28570 | 771.00 | 271.85 | 771.00 | 1.067 | |
| 539 | C6H10O2 | ETHYL METHACRYLA TE | 0.30100 | 0.25690 | 0.28571 | 577.00 | 223.15 | 577.00 | 0.908 | --- |
| **540** | C6H10O2 | n-PROPYL ACRYLATE | 0.30211 | 0.25955 | 0.28571 | 569.00 | 273.15 | 569.00 | 0.900 |
| 541 | C6H10O3 | ETHYLACETOACETATE | 0.31956 | 0.24910 | 0.28570 | 643.00 | 234.15 | 643.00 | 1.023 | |
| **542** | C6H10O3 | PROPIONIC ANHYDRIDE | 0.32780 | 0.25807 | 0.28571 | 618.00 | 228.15 | 618.00 | 1.007 | |
| **543** | C6H1004 | ADIPICACID | 0.36537 | 0.25915 | 0.28200 | 809.00 | 425.50 | 809.00 | ---- | |
| **544** | C6H1004 | DIETHYL OXALATE | 0.35132 | 0.25332 | 0.33419 | 646.00 | 232.55 | 646.00 | 1.073 | |
| 545 | C6H1004 | ETHYLENE GLYCOL DIACETATE | 0.33859 | 0.24565 | 0.28570 | 653.00 | 242.15 | 653.00 | 1.101 | |
| **546** | C6H1004 | ETHYLIDENE DIACETATE | 0.35995 | 0.26895 | 0.29542 | 635.00 | 292.00 | 635.00 | 1.069 | |

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| **density = A B** · <1• T!Tc)•n **(density - g/ml, T - K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | **n** | Tc | **TMIN** | **TMAX** | **density @ 25 C** |
| 547 | C6H11N | HEXANENITRILE | 0.25303 | 0.24921 | 0.28637 | 622.05 | 192.85 | 622.05 | 0.801 |
| 548 | C6H11NO | epsilon-CAPROLACTAM | 0.31765 | 0.25357 | 0.28571 | 806.00 | 342.36 | 806.00 | --  -- |
| 549 | C6H11NO | CYCLOHEXANONE OXIME | 0.30678 | 0.29100 | 0.28571 | 715.00 | 363.15 | 715.00 |  |
| 550 | C6H12 | CYCLOHEXANE | 0.27376 | 0.27408 | 0.28511 | 553.54 | 279.69 | 553.54 | 0.773 |
| 551 | C6H12 | 2,3-DIMETHYL-1-BUTENE | 0.24347 | 0.26774 | 0.28571 | 500.00 | 115.89 | 500.00 | 0.673 |
| 552 | C6H12 | 2,3-DIMETHYL-2-BUTENE | 0.22624 | 0.24252 | 0.26403 | 524.00 | 198.82 | 524.00 | 0.703 |
| 553 | C6H12 | 3,3-DIMETHYL-1-BUTENE | 0.25273 | 0.28406 | 0.29910 | 480.00 | 157.95 | 480.00 | 0.648 |
| 554 | C6H12 | 2-ETHYL-1-BUTENE | 0.23121 | 0.25140 | 0.27523 | 512.00 | 141.61 | 512.00 | 0.685 |
| 555 | C6H12 | trans-3-METHYL-2-PENTENE | 0.24820 | 0.27000 | 0.28571 | 521.00 | 134.70 | 521.00 | 0.693 |
| 556 | C6H12 | 1-HEXENE | 0.23941 | 0.26605 | 0.28571 | 504.03 | 133.39 | 504.03 | 0.667 |
| 557 | C6H12 | cis-2-HEXENE | 0.23443 | 0.25626 | 0.27838 | 513.00 | 132.00 | 513.00 | 0.683 |
| 558 | C6H12 | trans-2-HEXENE | 0.23733 | 0.26272 | 0.28571 | 513.00 | 140.17 | 513.00 | 0.673 |
| 559 | C6H12 | cis-3-HEXENE | 0.23934 | 0.26339 | 0.28571 | 509.00 | 135.33 | 509.00 | 0.675 |
| 560 | C6H12 | trans-3-HEXENE | 0.23978 | 0.26234 | 0.29552 | 509.00 | 159.73 | 509.00 | 0.673 |
| 561 | C6H12 | METHYLCYCLOPENTANE | 0.26391 | 0.27042 | 0.28276 | 532.79 | 130.73 | 532.79 | 0.745 |
| 562 | C6H12 | 2-METHYL-1-PENTENE | 0.23956 | 0.26336 | 0.28570 | 507.00 | 137.42 | 507.00 | 0.675 |
| 563 | C6H12 | 2-METHYL-2-PENTENE | 0.23865 | 0.26076 | 0.28570 | 514.00 | 138.07 | 514.00 | 0.681 |
| 564 | C6H12 | 3-METHYL-1-PENTENE | 0.24515 | 0.27450 | 0.28442 | 495.00 | 120.20 | 495.00 | 0.663 |
| 565 | C6H12 | 3-METHYL-cis-2-PENTENE | 0.24536 | 0.26738 | 0.28391 | 515.00 | 138.31 | 515.00 | 0.689 |
| 566 | C6H12 | 4-METHYL-1-PENTENE | 0.24191 | 0.27164 | 0.28571 | 496.00 | 119.51 | 496.00 | 0.659 |
| 567 | C6H12 | 4-METHYL-cis-2-PENTENE | 0.24204 | 0.26986 | 0.28571 | 499.00 | 138.30 | 499.00 | 0.665 |
| 568 | C6H12 | 4-METHYL-trans-2-PENTENE | 0.24129 | 0.26962 | 0.28571 | 501.00 | 132.35 | 501.00 | 0.664  -- |
| 569 | C6H12N2 | TRIETHYLENEDIAMINE | 0.29394 | 0.27400 | 0.28571 | 655.00 | 434.25 | 655.00 |  |
| 570 | C6H12O | BUTYL VINYL ETHER | 0.26764 | 0.26200 | 0.28570 | 536.00 | 181.25 | 536.00 | 0.774 |
| 571 | C6H12O | CYCLOHEXANOL | 0.29681 | 0.24340 | 0.28570 | 625.15 | 296.60 | 625.15 | 0.960 |
| 572 | C6H12O | 1-HEXANAL | 0.27144 | 0.27131 | 0.24447 | 579.00 | 217.15 | 579.00 | 0.810 |
| 573 | C6H12O | ETHYL ISOPROPYL KETONE | 0.27144 | 0.24527 | 0.34305 | 567.00 | 200.00 | 567.00 | 0.806 |
| 574 | C6H12O | 2-HEXANONE | 0.27144 | 0.26073 | 0.29630 | 587.05 | 217.35 | 587.05 | 0.807 |
| 575 | C6H12O | 3-HEXANONE | 0.27517 | 0.26557 | 0.28660 | 582.82 | 217.50 | 582.82 | 0.810 |
| 576 | C6H12O | METHYL ISOBUTYL KETONE | 0.26654 | 0.25887 | 0.28571 | 571.40 | 189.15 | 571.40 | 0.796 |
| 577 | C6H12O2 | n-PENTYL FORMATE | 0.29848 | 0.25775 | 0.30860 | 576.00 | 199.65 | 576.00 | 0.881 |
| 578 | C6H12O2 | n-BUTYL ACETATE | 0.29857 | 0.26028 | 0.30900 | 579.65 | 199.65 | 579.65 | 0.876 |
| 579 | C6H12O2 | sec-BUTYL ACETATE | 0.29861 | 0.26088 | 0.30420 | 561.00 | 174.15 | 561.00 | 0.868 |
| 580 | C6H12O2 | tart-BUTYL ACETATE | 0.29861 | 0.26927 | 0.26996 | 545.00 | 283.15 | 545.00 | 0.861 |
| 581 | C6H12O2 | ETHYL n-BUTYRA TE | 0.27594 | 0.24632 | 0.26390 | 571.00 | 175.15 | 571.00 | 0.874 |
| 582 | C6H12O2 | ETHYL ISOBUTYRATE | 0.29410 | 0.26107 | 0.28571 | 553.15 | 185.00 | 553.15 | 0.863 |
| 583 | C6H12O2 | ISOBUTYL ACETATE | 0.29861 | 0.26575 | 0.28366 | 561.00 | 174.30 | 561.00 | 0.869 |
| 584 | C6H12O2 | n-PROPYL PROPIONATE | 0.29860 | 0.26150 | 0.30232 | 578.00 | 197.25 | 578.00 | 0.877 |
| 585 | C6H12O2 | CYCLOHEXYL PEROXIDE | 0.32637 | 0.26309 | 0.28571 | 685.00 | 253.15 | 685.00 | 1.015 |
| 586 | C6H12O2 | DIACETONE ALCOHOL | 0.30017 | 0.26031 | 0.25110 | 606.00 | 229.15 | 606.00 | 0.934 |
| 587 | C6H12O2 | 2-ETHYL BUTYRIC ACID | 0.29861 | 0.25707 | 0.31103 | 655.00 | 258.15 | 655.00 | 0.919 |
| 588 | C6H12O2 | n-HEXANOIC ACID | 0.29910 | 0.26580 | 0.27650 | 667.00 | 270.15 | 667.00 | 0.921 |
| 589 | C6H12O3 | 2-ETHOXYETHYL ACETATE | 0.28801 | 0.22760 | 0.28570 | 597.00 | 211.45 | 597.00 | 0.970 |
| 590 | C6H12O3 | HYDROXYCAPROIC ACID | 0.32901 | 0.23200 | 0.28571 | 758.00 | 334.00 | 758.00 | -- |
| 591 | C6H12O3 | PARALDEHYDE | 0.36208 | 0.28486 | 0.31341 | 579.00 | 285.75 | 579.00 | 0.985 |
| 592 | C6H12O3 | sec-BUTYL GLYCOLATE | -- | -- | -- | -- | -- | -- | -- |
| 593 | C6H12S | THIACYCLOHEPTANE | 0.29690 | 0.32200 | 0.28571 | 640.07 | 292.14 | 640.07 | 0.766 |
| 594 | C6H13N | CYCLOHEXYLAMINE | 0.27551 | 0.25517 | 0.27070 | 615.00 | 255.45 | 615.00 | 0.863 |
| 595 | C6H13N | HEXAMETHYLENEIMINE | 0.27475 | 0.25340 | 0.25620 | 615.00 | 236.15 | 615.00 | 0.875 |
| 596 | C6H14 | 2,2-DIMETHYLBUTANE | 0.24016 | 0.27670 | 0.27990 | 488.78 | 174.28 | 488.78 | 0.644 |
| 597 | C6H14 | 2,3-DIMETHYLBUTANE | 0.23970 | 0.27042 | 0.28571 | 499.98 | 145.19 | 499.98 | 0.658 |
| 598 | C6H14 | n-HEXANE | 0.23242 | 0.26500 | 0.27810 | 507.43 | 177.84 | 507.43 | 0.656 |
| 599 | C6H14 | 2-METHYLPENTANE | 0.23466 | 0.26724 | 0.28570 | 497.50 | 119.55 | 497.50 | 0.648 |
| 600 | C6H14 | 3-METHYLPENTANE | 0.23520 | 0.26598 | 0.27917 | 504.43 | 110.25 | 504.43 | 0.660  -- |
| 601 | C6H14N2O2 | LYSINE | 0.29076 | 0.26000 | 0.28571 | 821.00 | 483.00 | 821.00 |  |
| 602 | C6H14O | 2-ETHYL-1-BUTANOL | 0.26890 | 0.26035 | 0.24730 | 580.00 | 158.75 | 580.00 | 0.829 |
| 603 | C6H14O | 1-HEXANOL | 0.26801 | 0.26725 | 0.25400 | 611.35 | 228.55 | 611.35 | 0.816 |
| 604 | C6H14O | 2-HEXANOL | 0.26879 | 0.26275 | 0.26945 | 586.20 | 223.00 | 586.20 | 0.810 |
| 605 | C6H14O | 2-METHYL-1-PENTANOL | 0.27621 | 0.26006 | 0.28570 | 582.00 | 223.00 | 582.00 | 0.827 |
| 606 | C6H14O | 4-METHYL-2-PENTANOL | 0.27674 | 0.26827 | 0.28571 | 574.40 | 183.00 | 574.40 | 0.805 |
| 607 | C6H14O | n-BUTYL ETHYL ETHER | 0.26107 | 0.26506 | 0.28570 | 531.00 | 170.15 | 531.00 | 0.745 |
| 608 | C6H14O | DIISOPROPYL ETHER | 0.26218 | 0.26974 | 0.28571 | 500.05 | 187.65 | 500.05 | 0.721 |
| 609 | C6H14O | Dl-n-PROPYL ETHER | 0.26185 | 0.26780 | 0.28570 | 530.60 | 149.95 | 530.60 | 0.741 |
| 610 | C6H14O | METHYL tert-PENTYL ETHER | 0.26600 | 0.26301 | 0.28571 | 534.00 | 160.00 | 534.00 | 0.766 |
| 611 | C6H14O2 | ACETAL | 0.28990 | 0.27006 | 0.28571 | 541.00 | 173.15 | 541.00 | 0.821 |
| 612 | C6H14O2 | 2-BUTOXYETHANOL | 0.29544 | 0.26661 | 0.25455 | 600.00 | 203.15 | 600.00 | 0.896 |
| 613 | C6H14O2 | 1,6-HEXANEDIOL | 0.30487 | 0.25120 | 0.28570 | 670.00 | 315.15 | 670.00 | -- |
| 614 | C6H14O2 | HEXYLENE GLYCOL | 0.32315 | 0.28400 | 0.28570 | 621.00 | 223.15 | 621.00 | 0.918  -- |
| 615 | C6H14O2S | Dl-n-PROPYL SULFONE | 0.32450 | 0.25643 | 0.30567 | 763.00 | 303.00 | 763.00 |  |
| 616 | C6H14O3 | DIETHYLENE GLYCOL DIMETHYL ETHER | 0.30306 | 0.25214 | 0.28570 | 604.00 | 203.15 | 604.00 | 0.942 |
| 617 | C6H14O3 | DIPROPYLENE GLYCOL | 0.33335 | 0.26500 | 0.28570 | 654.00 | 233.00 | 654.00 | 1.018 |
| 618 | C6H14O3 | 2-(2-ETHOXYETHOXY)ETHANOL | 0.31485 | 0.25465 | 0.28570 | 632.00 | 195.15 | 632.00 | 0.984  -- |
| 619 | C6H14O3 | TRIMETHYLOLPROPANE | 0.32253 | 0.25893 | 0.15756 | 709.00 | 331.15 | 709.00 |  |
| 620 | C6H1404 | TRIETHYLENE GLYCOL | 0.33903 | 0.26071 | 0.20960 | 700.00 | 265.79 | 700.00 | 1.122  -- |
| 621 | C6H1406 | SORBITOL | 0.37718 | 0.23255 | 0.21731 | 959.00 | 370.85 | 959.00 |  |
| 622 | C6H14S | n-HEXYLMERCAPTAN | 0.28700 | 0.25553 | 0.37222 | 623.00 | 192.62 | 623.00 | 0.837 |
| 623 | C6H14S | BUTYL-ETHYL-SULFIDE | 0.27850 | 0.26500 | 0.28571 | 609.00 | 178.03 | 609.00 | 0.833 |
| 624 | C6H14S | ISOPROPYL-SULFIDE | 0.28590 | 0.27400 | 0.28571 | 585.71 | 170.45 | 585.71 | 0.822 |

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| **density** = **A B** ·<1 • T/Tc}•n **(density** - g/ml, T - **K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density** @ 25 C |
| 625 | C6H14S | METHYL-PENTYL-SULFIDE | 0.29300 | 0.27600 | 0.28571 | 587.98 | 179.16 | 587.98 | 0.839 |
| 626 | C6H14S | PROPYL-SULFIDE | 0.27920 | 0.26600 | 0.28571 | 609.73 | 170.45 | 609.73 | 0.833 |
| 627 | C6H14S2 | PROPYL-DISULFIDE | 0.32230 | 0.27700 | 0.28571 | 673.00 | 187.68 | 673.00 | 0.955 |
| **628** | C6H15AI | TRIETHYL ALUMINUM | 0.49638 | 0.47987 | 0.65550 | 720.15 | 220.65 | 720.15  -- | 0.833 |
| 629 | C6H15Al2Cl3 | ETHYL ALUMINUM SESQUICHLORIDE | -- | -- | -- | -- | -- |  | 1.092 |
| 630 | C6H15N | DIISOPROPYLAMINE | 0.24256 | 0.25786 | 0.27100 | 523.10 | 176.85 | 523.10 | 0.713 |
| 631 | C6H15N | DI-n-PROPYLAMINE | 0.24260 | 0.25356 | 0.27430 | 555.80 | 210.15 | 555.80 | 0.737 |
| 632 | C6H15N | n-HEXYLAMINE | 0.24243 | 0.25403 | 0.25235 | 583.00 | 251.85 | 583.00 | 0.761 |
| 633 | C6H15N | TRIETHYLAMINE | 0.25995 | 0.27386 | 0.28720 | 535.15 | 158.45 | 535.15 | 0.724 |
| 634 | C6H15NO | 6-AMINOHEXANOL | 0.26868 | 0.26500 | 0.28571 | 681.00 | 331.00 | 681.00 | -- |
| 635 | C6H15NO2 | DIISOPROPANOLAMINE | 0.29337 | 0.24629 | 0.22290 | 672.00 | 318.15 | 672.00 | -- |
| 636 | C6H15NO3 | TRIETHANOLAMINE | 0.31608 | 0.24801 | 0.20350 | 787.00 | 294.35 | 787.00 | 1.120 |
| 637 | C6H15N3 | N-AMINOETHYL PIPERAZINE | 0.31714 | 0.26644 | 0.28570 | 708.00 | 254.15 | 708.00 | 0.983 |
| 638 | C6H1504P | TRIETHYL PHOSPHATE | 0.18062 | 0.13488 | 0.25660 | 794.00 | 216.00 | 794.00 | 1.066  -- |
| 639 | C6H16N2 | HEXAMETHYLENEDIAMINE | 0.24507 | 0.28300 | 0.28571 | 663.00 | 313.95 | 663.00 |  |
| 640 | C6H18N3OP | HEXAMETHYL PHOSPHORAMIDE | -- | -- | -- | -- | -- | -- | 1.020 |
| 641 | C6H18N4 | TRIETHYLENE TETRAMINE | 0.30364 | 0.25574 | 0.28571 | 718.00 | 285.15 | 718.00 | 0.978 |
| 642 | C6H18OSi2 | HEXAMETHYLDISILOXANE | 0.27010 | 0.26680 | 0.28570 | 518.70 | 204.93 | 518.70 | 0.760  -- |
| 643 | C6H18O3Si3 | HEXAMETHYLCYCLOTRISILOXANE | 0.35076 | 0.28820 | 0.30930 | 554.20 | 337.15 | 554.20 |  |
| **644** | C6H19NSi2 | HEXAMETHYLDISILAZANE | 0.26371 | 0.25980 | 0.28570 | 544.00 | 293.15 | 544.00 | 0.772 |
| 645 | C7H3CIF3NO2 | 4-CHLOR0-3-NITROBENZOTRIFLUORIDE | 0.44961 | 0.24100 | 0.28570 | 686.00 | 293.15 | 686.00 | 1.506 |
| 646 | C7H3Cl2F3 | 2,4-DICHLOROBENZOTRIFLUORIDE | 0.45914 | 0.24500 | 0.28570 | 646.00 | 247.55 | 646.00 | 1.492 |
| 647 | C7H3Cl2NO | 3,4-DICHLOROPHENYL ISOCYANATE | 0.41231 | 0.23920 | 0.27449 | 733.00 | 316.15 | 733.00 | -- |
| **648** | C7H4CIF3 | p-CHLOROBENZOTRIFLUORIDE | 0.41091 | 0.26470 | 0.28570 | 601.00 | 237.15 | 601.00 | 1.226 |
| 649 | C7H4Cl2O | m-CHLOROBENZOYL CHLORIDE | 0.43142 | 0.24800 | 0.28571 | 724.00 | 280.00 | 724.00 | 1.430 |
| 650 | C7H4F3NO2 | 3-NITROBENZOTRIFLUORIDE | 0.41564 | 0.23215 | 0.28570 | 667.00 | 272.00 | 667.00 | 1.426 |
| **651** | C7H5CIO | BENZOYL CHLORIDE | 0.38080 | 0.25862 | 0.28600 | 697.00 | 272.65 | 697.00 | 1.206  -- |
| 652 | C7H5CIO2 | o-CHLOROBENZOIC ACID | 0.42130 | 0.22744 | 0.28570 | 792.00 | 415.15 | 792.00 |  |
| 653 | C7H5Cl3 | BENZOTRICHLORIDE | 0.41969 | 0.25387 | 0.28570 | 737.00 | 268.40 | 737.00 | 1.369 |
| **654** | C7H5F3 | BENZOTRIFLUORIDE | 0.40096 | 0.26310 | 0.28570 | 565.00 | 244.14 | 565.00 | 1.178 |
| **655** | C7H5N | BENZONITRILE | 0.30420 | 0.24793 | 0.28410 | 699.35 | 260.40 | 699.35 | 1.001 |
| 656 | C7H5NO | PHENYL ISOCYANATE | **0.34958** | 0.25680 | 0.28570 | 648.00 | 243.15 | 648.00 | 1.093  -- |
| 657 | C7H5N306 | 2,4,6-TRINITROTOLUENE | 0.47319 | 0.26352 | 0.28170 | 795.00 | 354.00 | 795.00 |  |
| **658** | C7H6Cl2 | BENZYL DICHLORIDE | 0.39858 | 0.25970 | 0.31940 | 731.00 | 257.00 | 731.00 | 1.247 |
| 659 | C7H6Cl2 | 2,4-DICHLOROTOLUENE | 0.38727 | 0.25466 | 0.28570 | 705.00 | 259.65 | 705.00 | 1.247 |
| 660 | C7H6N204 | 2,4-DINITROTOLUENE | 0.37400 | 0.22633 | 0.29149 | 814.00 | 343.00 | 814.00 | ---- |
| 661 | C7H6N204 | 2,5-DINITROTOLUENE | 0.38619 | 0.23693 | 0.28571 | 814.00 | 325.65 | 814.00 | -- |
| 662 | C7H6N204 | 2,6-DINITROTOLUENE | 0.40005 | 0.24180 | 0.28570 | 770.00 | 339.00 | 770.00 |  |
| 663 | C7H6N204 | 3,4-DINITROTOLUENE | 0.37454 | 0.23617 | 0.28571 | 842.00 | 332.00 | 842.00 | ---- |
| 664 | C7H6N204 | 3,5-DINITROTOLUENE | 0.38541 | 0.23741 | 0.28571 | 814.00 | 365.65 | 814.00 |  |
| 665 | C7H6O | BENZALDEHYDE | 0.32759 | 0.25780 | 0.28500 | 695.00 | 247.15 | 695.00 | 1.040 |
| ·666 | C7H6O2 | BENZOIC ACID | 0.35235 | 0.24812 | 0.28570 | 751.00 | 395.52 | 751.00 | --  -- |
| 667 | C7H6O2 | p-HYDROXYBENZALDEHYDE | 0.33830 | 0.24380 | 0.24234 | 844.00 | 390.15 | 844.00 |  |
| **668** | C7H6O2 | SALICYLALDEHYDE | 0.35733 | 0.25345 | 0.26250 | 680.00 | 266.15 | 680.00 | 1.162 |
| 669 | C7H6O3 | SALICYLIC ACID | -- | ·-- | -- | -- | -- | -- | -- |
| 670 | C7H7Br | p-BROMOTOLUENE | 0.45128 | 0.26245 | 0.30082 | 699.00 | 299.95 | 699.00 | -- |
| 671 | C7H7CI | BENZVL CHLORIDE | 0.34198 | 0.25374 | 0.28570 | 686.00 | 234.15 | 686.00 | 1.097 |
| 672 | C7H7CI | o-CHLOROTOLUENE | 0.35762 | 0.26985 | 0.28396 | 656.00 | 236.65 | 656.00 | 1.077 |
| 673 | C7H7CI | p-CHLOROTOLUENE | 0.35170 | 0.26860 | 0.28754 | 660.00 | 280.65 | 660.00 | 1.063 |
| 674 | C7H7F | p-FLUOROTOLUENE | 0.33130 | 0.26200 | 0.28571 | 590.48 | 216.36 | 590.48 | 0.991  -- |
| 675 | C7H7NO | FORMANILIDE | 0.31704 | 0.24000 | 0.29000 | 787.00 | 323.15 | 787.00 |  |
| 676 | C7H7NO2 | m-NITROTOLUENE | 0.31097 | 0.22103 | 0.27206 | 734.00 | 289.20 | 734.00 | 1.152 |
| 677 | C7H7NO2 | o-NITROTOLUENE | 0.31098 | 0.21877 | 0.27087 | 720.00 | 269.98 | 720.00 | 1.158 |
| 678 | C7H7NO2 | p-NITROTOLUENE | 0.31098 | 0.22476 | 0.25628 | 736.00 | 324.75 | 736.00 | -- |
| 679 | C7H7NO3 | o-NITROANISOLE | 0.36287 | 0.24287 | 0.28830 | 782.00 | 283.60 | 782.00 | 1.244 |
| **680** | C7H8 | TOLUENE | 0.29999 | 0.27108 | 0.29889 | 591.79 | 178.18 | 591.79 | 0.865 |
| 681 | C7H8 | 1,3,5-CYCLOHEPTATRIENE | 0.29800 | 0.26600 | 0.28571 | 593.90 | 193.66 | 593.90 | 0.882 |
| 682 | C7H8O | ANISOLE | 0.32089 | 0.26119 | 0.28010 | 641.65 | 235.65 | 641.65 | 0.990 |
| 683 | C7H8O | BENZYL ALCOHOL | 0.32318 | 0.26404 | 0.22400 | 677.00 | 257.85 | 677.00 | 1.041 |
| 684 | C7H8O | m-CRESOL | 0.34663 | 0.28268 | 0.27070 | 705.85 | 285.39 | 705.85 | 1.030 |
| 685 | C7H8O | o-CRESOL | 0.38355 | 0.30518 | 0.30990 | 697.55 | 304.19 | 697.55 | -- |
| 686 | C7H8O 1 | p-C RESOL | 0.38059 | 0.29920 | 0.33410 | 704.65 | 307.93 | 704.65 | --  -- |
| 687 | C7H8O2 | GUAIACOL | 0.35171 · | 0.25826 | 0.27125 | 697.00 | 304.65 | 697.00 | -- |
| 688 | C7H8O2 | p-METHOXYPHENOL | 0.36301 | 0.26523 | 0.28450 | 758.00 | 329.00 | 758.00 |  |
| **689** | C7H9N | BENZYLAMINE | 0.28727 | 0.26525 | 0.13446 | 683.50 | 227.15 | 683.50 | 0.981 |
| 690 | C7H9N | 2,6-DIMETHYLPYRIDINE | 0.33911 | 0.30490 | 0.27170 | 623.75 | 267.00 | 623.75 | 0.918 |
| 691 | C7H9N | N-METHYLANILINE | 0.28754 | 0.24324 | 0.25374 | 701.55 | 216.15 | 701.55 | 0.982 |
| **692** | C7H9N | m-TOLUIDINE | 0.28725 | 0.23990 | 0.26905 | 709.15 | 242.75 | 709.15 | 0.985 |
| 693 | C7H9N | o-TOLUIDINE | 0.28729 | 0.23820 | 0.25730 | 694.15 | 249.47 | 694.15 | 0.994 |
| **694** | C7H9N | p-TOLUIDINE | 0.28727 | 0.24079 | 0.26158 | 693.15 | 316.90 | 693.15 | --  -- |
| 695 | C7H10 | 2-NORBORNENE | 0.27963 | 0.27300 | 0.28571 | 583.00 | 319.40 | 583.00 | -- |
| 696 | C7H10N2 | TOLUENEDIAMINE | 0.32454 | 0.24665 | 0.28571 | 804.00 | 371.25 | 804.00 |  |
| 697 | C7H11NO | CYCLOHEXYLISOCYANATE | 0.33492 | 0.24640 | 0.28570 | 633.00 | 193.00 | 633.00 | 1.077 |
| **698** | C7H12 | 1-HEPTYNE | 0.25840 | 0.27600 | 0.28571 | 559.69 | 192.26 | 559.69 | 0.728 |
| 699 | C7H12O2 | n-BUTYL ACRYLATE | 0.29947 | 0.25838 | 0.30843 | 598.00 | 208.55 | 598.00 | 0.894 |
| 700 | C7H12O2 | ISOBUTYL ACRYLATE | 0.29833 | 0.26282 | 0.28571 | 580.00 | 212.00 | 580.00 | 0.885 |
| 701 | C7H12O2 | n-PROPYL METHACRYLATE | 0.29277 | 0.25580 | 0.28571 | 599.00 | 223.00 | 599.00 | 0.897 |
| 702 | C7H1204 | DIETHYL MALONATE | 0.34151 | 0.25619 | 0.31612 | 653.00 | 224.25 | 653.00 | 1.050 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| density= **A B** ·<1 •TrTc)•n **(density** - **g/ml, T** - **K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density@ 25 C** |
| 703 | C7H14 | CYCLOHEPTANE | 0.27591 | 0.27199 | 0.28571 | 604.30 | 265.15 | 604.30 | 0.806 |
| 704 | C7H14 | 1,1-DIMETYLCYCLOPENTANE | 0.27275 | 0.27729 | 0.30163 | 547.00 | 203.36 | 547.00 | 0.750 |
| 705 | C7H14 | cis-1,2-DIMETHYLCYCLOPENTANE | 0.26682 | 0.26980 | 0.28571 | 565.15 | 219.26 | 565.15 | 0.768 |
| 706 | C7H14 | trans-1,2-DIMETHYLCYCLOPENTANE | 0.27274 | 0.27793 | 0.30976 | 553.15 | 155.58 | 553.15 | 0.747 |
| 707 | C7H14 | cis-1,3-DIMETHYLCYCLOPENTANE | 0.27274 | 0.27941 | 0.31401 | 551.00 | 139.45 | 551.00 | 0.740 |
| 708 | C7H14 | trans-1,3-DIMETHYLCYCLOPENTANE | 0.27274 | 0.28050 | 0.30466 | 553.00 | 139.18 | 553.00 | 0.744 |
| 709 | C7H14 | ETHYLCYCLOPENTANE | 0.26220 | 0.26936 | 0.27770 | 569.52 | 134.71 | 569.52 | 0.763 |
| 710 | C7H14 | 2-ETHYL-1-PENTENE | 0.24670 | 0.27353 | 0.26632 | 543.00 | 168.00 | 543.00 | 0.704 |
| 711 | C7H14 | 3-ETHYL-1-PENTENE | 0.24670 | 0.28384 | 0.24201 | 530.00 | 145.67 | 530.00 | 0.692 |
| 712 | C7H14 | 1-HEPTENE | 0.23776 | 0.26305 | 0.27420 | 537.29 | 154.27 | 537.29 | 0.693 |
| 713 | C7H14 | cis-2-HEPTENE | 0.23158 | 0.24867 | 0.28858 | 549.00 | 164.00 | 549.00 | 0.703 |
| 714 | C7H14 | trans-2-HEPTENE | 0.24185 | 0.26451 | 0.28672 | 543.00 | 163.67 | 543.00 | 0.697 |
| 715 | C7H14 | cis-3-HEPTENE | 0.23323 | 0.25446 | 0.27941 | 545.00 | 136.51 | 545.00 | 0.698 |
| 716 | C7H14 | trans-3-HEPTENE | 0.24184 | 0.26560 | 0.28571 | 540.00 | 136.52 | 540.00 | 0.694 |
| 717 | C7H14 | METHYLCYCLOHEXANE | 0.26688 | 0.27041 | 0.29270 | 572.19 | 146.58 | 572.19 | 0.766 |
| 718 | C7H14 | 2-METHYL-1-HEXENE | 0.24670 | 0.26774 | 0.29214 | 538.00 | 170.28 | 538.00 | 0.698 |
| 719 | C7H14 | 3-METHYL-1-HEXENE | 0.24670 | 0.27383 | 0.28221 | 528.00 | 145.00 | 528.00 | 0.687 |
| 720 | C7H14 | 4-METHYL-1-HEXENE | 0.24670 | 0.27130 | 0.28372 | 534.00 | 131.70 | 534.00 | 0.694 |
| 721 | C7H14 | 2,3,3-TRIMETHYL-1-BUTENE | 0.25771 | 0.27903 | 0.29600 | 531.00 | 163.30 | 531.00 | 0.701 |
| 722 | C7H14O | DIISOPROPYL KETONE | 0.27449 | 0.23385 | 0.26180 | 576.00 | 204.81 | 576.00 | 0.912 |
| 723 | C7H14O | 2-HEPTANONE | 0.27123 | 0.26114 | 0.30447 | 611.55 | 238.15 | 611.55 | 0.811 |
| 724 | C7H14O | 1-HEPTANAL | 0.27123 | 0.26249 | 0.28953 | 603.00 | 230.15 | 603.00 | 0.813  -- |
| 725 | C7H14O | 1-METHYLCYCLOHEXANOL | 0.27581 | 0.22362 | 0.31329 | 603.00 | 299.15 | 603.00 |  |
| 726 | C7H14O | cis-2-METHYLCYCLOHEXANOL | 0.27581 | 0.24052 | 0.23687 | 614.00 | 280.15 | 614.00 | 0.932 |
| 727 | C7H14O | trans-2-METHYLCYCLOHEXANOL | 0.27582 | 0.24655 | 0.22625 | 616.00 | 269.15 | 616.00 | 0.921 |
| 728 | C7H14O | cis-3-METHYLCYCLOHEXANOL | 0.27582 | 0.23722 | 0.28185 | 618.00 | 267.65 | 618.00 | 0.911 |
| 729 | C7H14O | trans-3-METHYLCYCLOHEXANOL | 0.27582 | 0.24921 | 0.21950 | 617.00 | 272.65 | 617.00 | 0.918 |
| 730 | C7H14O | cis-4-METHYLCYCLOHEXANOL | 0.30881 | 0.27100 | 0.28570 | 622.00 | 294.85 | 622.00 | 0.913 |
| 731 | C7H14O | trans-4-METHYLCYCLOHEXANOL | 0.27581 | 0.24578 | 0.25051 | 622.00 | 293.00 | 622.00 | 0.908 |
| 732 | C7H14O | 5-METHYL-2-HEXANONE | 0.26429 | 0.25680 | 0.28571 | 601.00 | 199.25 | 601.00 | 0.808 |
| 733 | C7H14O2 | n-BUTYL PROPIONATE | 0.28675 | 0.25740 | 0.28571 | 594.00 | 183.63 | 594.00 | 0.872 |
| 734 | C7H14O2 | ETHYLISOVALERATE | 0.28914 | 0.26160 | 0.28570 | 587.95 | 173.85 | 587.95 | 0.865 |
| 735 | C7H14O2 | ISOPENTYL ACETATE | 0.29449 | 0.26505 | 0.30090 | 599.00 | 194.65 | 599.00 | 0.867 |
| 736 | C7H14O2 | n-PENTYL ACETATE | 0.29459 | 0.26480 | 0.29320 | 598.00 | 202.35 | 598.00 | 0.872 |
| 737 | C7H14O2 | n-PROPYL n-BUTYRATE | 0.29457 | 0.26444 | 0.29790 | 594.00 | 177.95 | 594.00 | 0.868 |
| 738 | C7H14O2 | n-HEPTANOIC ACID | 0.29454 | 0.25920 | 0.30590 | 680.00 | 265.83 | 680.00 | 0.913 |
| 739 | C7H14O3 | ETHYL-3-ETHOXYPROPIONATE | 0.31642 | 0.25721 | 0.32154 | 609.00 | 223.00 | 609.00 | 0.945 |
| 740 | C7H15Br | 1-BROMOHEPTANE | 0.37782 | 0.26974 | 0.28571 | 651.00 | 217.05 | 651.00 | 1.135 |
| 741 | C7H15N | N-METHYLCYCLOHEXYLAMINE | 0.28781 | 0.26542 | 0.28570 | 622.00 | 264.65 | 622.00 | 0.865 |
| 742 | C7H16 | 2,2-DIMETHYLPENTANE | 0.24513 | 0.27670 | 0.28300 | 520.50 | 149.34 | 520.50 | 0.673 |
| 743 | C7H16 | 2,3-DIMETHYLPENTANE | 0.25315 | 0.28614 | 0.27130 | 537.35 | 160.00 | 537.35 | 0.691 |
| 744 | C7H16 | 2,4-DIMETHYLPENTANE | 0.23961 | 0.27530 | 0.26950 | 519.79 | 153.91 | 519.79 | 0.668 |
| 745 | C7H16 | 3,3-DIMETHYLPENTANE | 0.24793 | 0.27010 | 0.30840 | 536.40 | 138.70 | 536.40 | 0.687 |
| 746 | C7H16 | 3-ETHYLPENTANE | 0.24259 | 0.26444 | 0.29140 | 540.64 | 154.55 | 540.64 | 0.695 |
| 747 | C7H16 | n-HEPTANE | 0.23237 | 0.26020 | 0.27910 | 540.26 | 182.57 | 540.26 | 0.682 |
| 748 | C7H16 | 2-METHYLHEXANE | 0.23793 | 0.26970 | 0.27900 | 530.37 | 154.90 | 530.37 | 0.674 |
| 749 | C7H16 | 3-METHYLHEXANE | 0.24512 | 0.28060 | 0.26250 | 535.25 | 153.75 | 535.25 | 0.684 |
| 750 | C7H16 | 2,2,3-TRIMETHYLBUTANE | 0.24943 | 0.27920 | 0.28000 | 531.17 | 248.57 | 531.17 | 0.687 |
| 751 | C7H16O | 1-HEPTANOL | 0.26702 | 0.26320 | 0.27300 | 631.90 | 239.15 | 631.90 | 0.820 |
| 752 | C7H16O | 2-HEPTANOL | 0.26895 | 0.26582 | 0.25340 | 588.00 | 243.00 | 588.00 | 0.814 |
| 753 | C7H16O | 5-METHYL-1-HEXANOL | 0.26900 | 0.25072 | 0.33120 | 605.00 | 293.15 | 605.00 | 0.812 |
| 754 | C7H16O | ISOPROPYL-TERT-BUTYL-ETHER | 0.25480 | 0.26100 | 0.28571 | 558.21 | 177.80 | 558.21 | 0.750 |
| 755 | C7H16S | n-HEPTYL MERCAPTAN | 0.28445 | 0.27097 | 0.30330 | 645.00 | 229.92 | 645.00 | 0.839 |
| 756 | C7H16S | BUTYL-PROPYL-SULFIDE | 0.26970 | 0.25900 | 0.28571 | 653.50 | 206.66 | 653.50 | 0.839 |
| 757 | C7H16S | ETHYL-PENTYL-SULFIDE | 0.27150 | 0.25900 | 0.28571 | 638.37 | 206.66 | 638.37 | 0.839 |
| 758 | C7H16S | HEXYL-METHYL-SULFIDE | 0.27150 | 0.25900 | 0.28571 | 638.37 | 206.66 | 638.37 | 0.839 |
| 759 | C7H17N | 1-AMINOHEPTANE | 0.24462 | 0.25289 | 0.26588 | 607.00 | 254.15 | 607.00 | 0.772 |
| 760 | C8H4Cl2O2 | ISOPHTHALOYL CHLORIDE | 0.42325 | 0.25015 | 0.28570 | 768.00 | 317.00 | 768.00 | --  -- |
| 761 | C8H4O3 | PHTHALIC ANHYDRIDE | 0.35183 | 0.23220 | 0.23460 | 791.00 | 404.26 | 791.00 |  |
| 762 | C8H6 | ETHYNYLBENZENE | 0.30250 | 0.27300 | 0.28571 | 655.43 | 242.53 | 655.43 | 0.901  -- |
| 763 | C8H604 | ISOPHTHALIC ACID | 0.39189 | 0.20000 | 0.28571 | 1007.00 | 619.15 | 1007.00 | -- |
| 764 | C8H604 | PHTHALIC ACID | 0.39150 | 0.25200 | 0.28571 | 800.00 | 464.15 | 800.00 |  |
| 765 | C8H604 | TEREPHTHALIC ACID | 0.39179 | 0.18100 | 0.28571 | 1113.00 | 700.15 | 1113.00 | --  -- |
| 766 | C8H6S | BENZOTHIOPHENE | 0.38453 | 0.25807 | 0.33304 | 754.00 | 304.50 | 754.00 |  |
| 767 | C8H7N | INDOLE | 0.27526 | 0.21250 | 0.23240 | 790.00 | 273.68 | 790.00 | 1.102 |
| 768 | C8H8 | STYRENE | 0.29383 | 0.26315 | 0.28570 | 648.00 | 242.54 | 648.00 | 0.900 |
| 769 | C8H8 | 1,3,5,7-CYCLOOCTATETRAENE | 0.30150 | 0.26800 | 0.28571 | 642.55 | 266.16 | 642.55 | 0.907 |
| 770 | C8H8O | ACETOPHENONE | 0.31955 | 0.25470 | 0.29062 | 701.00 | 293.65 | 701.00 | 1.024  -- |
| 771 | C8H8O | p-TOLUALDEHYDE | 0.30688 | 0.24760 | 0.28570 | 698.00 | 298.85 | 698.00 |  |
| 772 | C8H8O2 | METHYL BENZOA TE | 0.31228 | 0.23519 | 0.26760 | 693.00 | 260.75 | 693.00 | 1.085 |
| 773 | C8H8O2 | o-TOLUIC ACID | 0.34096 | 0.24685 | 0.28571 | 751.00 | 376.85 | 751.00 |  |
| 774 | C8H8O2 | p-TOLUIC ACID | 0.34357 | 0.23800 | 0.28571 | 773.00 | 452.75 | 773.00 | -- |
| 775 | C8H8O3 | METHYL SALICYLATE | 0.37125 | 0.26414 | 0.26120 | 701.00 | 265.15 | 701.00 | 1.175 |
| 776 | C8H8O3 | VANILLIN | 0.36605 | 0.25800 | 0.28571 | 777.00 | 355.00 | 777.00 | ---- |
| 777 | C8H9NO | ACETANILIDE | 0.31014 | 0.23700 | 0.28570 | 825.00 | 386.65 | **825.00** |  |
| 778 | C8H10 | ETHYLBENZENE | **0.28889** | 0.26438 | 0.29210 | 617.17 | 178.20 | 617.17 | 0.865 |
| 779 | C8H10 | m-XYLENE | 0.27866 | 0.25925 | 0.27243 | 617.05 | 225.30 | 617.05 | 0.861 |
| 780 | CBH10 | o-XYLENE | 0.28381 | 0.26083 | 0.27410 | 630.37 | 247.98 | 630.37 | 0.876 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density** = **A B** · <1 • TITc)•n **(density** - g/ml, T - **K)** | | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density** @ 25 C | |
| **781** | C8H10 | p-XYLENE | **0.27984** | 0.26003 | 0.27900 | 616.26 | **286.41** | 616.26 | 0.858 | |
| **782** | **C8H10O** | m-ETHYLPHENOL | -- | -- | -- | -- | -- | -- | -- | |
| **783** | C8H10O | p-ETHYLPHENOL | **0.32672** | 0.26930 | 0.28570 | 716.45 | **318.23** | 716.45 | -- | |
| **784** | C8H10O | PHENETOLE | 0.30533 | **0.25467** | 0.28571 | **647.15** | **243.63** | 647.15 | 0.961 | |
| **785** | **C8H10O** | 2-PHENYLETHANOL | 0.31567 | **0.24898** | 0.30277 | 684.00 | 247.00 | **684.00** | 1.016 | |
| **786** | **C8H10O** | 2,3-XYLENOL | **0.33990** | 0.29300 | **0.28571** | 722.95 | **345.71** | 722.95 | -- | |
| 787 | C8H10O | **2,4-XYLENOL** | 0.31327 | **0.25992** | 0.24870 | 707.65 | 297.68 | 707.65 | 1.015 | |
| **788** | C8H10O | 2,5-XYLENOL | 0.34916 | **0.28495** | 0.29700 | 707.05 | **347.99** | 707.05 | -- | |
| **789** | C8H10O | 2,6-XYLENOL | 0.31293 | 0.28800 | 0.28571 | 701.05 | 318.76 | 701.05 | -- | |
| 790 | C8H10O | 3,4-XYLENOL | 0.34912 | 0.28645 | 0.28070 | 729.95 | 338.25 | 729.95 | -- | |
| 791 | C8H10O | 3,5-XYLENOL | **0.25458** | 0.20987 | 0.22630 | 715.65 | 336.59 | 715.65 | ----- | |
| 792 | C8H11N | N,N-DIMETHYLANILINE | 0.26088 | 0.22868 | 0.23350 | 687.15 | 275.60 | 687.15 | 0.949 | ·-- |
| 793 | C8H11N | o-ETHYLANILINE | 0.3038 | 0.25486 | 0.28570 | 704.00 | 226.55 | 704.00 | 0.977 |
| 794 | C8H11N | 2,4,6-TRIMETHYLPYRIDINE | 0.29043 | 0.25592 | 0.28571 | 653.00 | 229.00 | 653.00 ' | 0.913 | |
| 795 | C8H11NO | p-PHENETIDINE | 0.31545 | 0.24764 | 0.28570 | 754.00 | 277.00 | 754.00 | 1.057 | |
| 796 | C8H12 | 1,5-CYCLOOCTADIENE | 0.29559 | 0.25915 | 0.34755 | 645.00 | 203.98 | 645.00 | 0.878 | |
| 797 | C8H12 | VINYLCYCLOHEXENE | 0.27918 | 0.26687 | 0.28570 | 599.00 | 164.00 | 599.00 | 0.826 | |
| **798** | CBH1204 | 1,4-CYCLOHEXANEDICARBOXYLIC ACID | 0.37054 | 0.21500 | 0.28571 | 889.00 | 585.65 | 889.00 | ----- | |
| 799 | C8H1204 | DIETHYL MALEATE | 0.33894 | 0.28278 | 0.33357 | 680.00 | 264.35 | 680.00 | 0.961 | |
| 800 | C8H14O2 | n-BUTYL METHACRYLATE | 0.28691 | 0.25450 | 0.28570 | 616.00 | 223.00 | 616.00 | 0.891 | |
| 801 | C8H14O3 | BUTYRIC ANHYDRIDE | 0.30988 | **0.25847** | 0.28570 | 639.00 | 199.85 | 639.00 | 0.960 | |
| **802** | C8H1404 | DIETHYL SUCCINATE | 0.33370 | **0.25864** | 0.29522 | 660.00 | 252.35 | 660.00 | 1.036 | |
| 803 | C8H16 | CYCLOOCTANE | 0.27790 | 0.27100 | 0.28571 | 647.20 | 287.60 | 647.20 | 0.830 | |
| **804** | C8H16 | 1,1-DIMETHYLCYCLOHEXANE | 0.24937 | 0.25143 | 0.27758 | 591.15 | 239.66 | 591.15 | 0.777 | |
| 805 | C8H16 | cis-1,2-DIMETHYLCYCLOHEXANE | 0.24395 | **0.24358** | 0.26809 | 606.15 | 223.16 | 606.15 | 0.792 | |
| 806 | C8H16 | trans-1,2-DIMETHYLCYCLOHEXANE | 0.24395 | 0.25026 | 0.26580 | 596.15 | 184.99 | 596.15 | 0.772 | |
| 807 | **C8H16** | cis-1,3-DIMETHYLCYCLOHEXANE | 0.24936 | 0.25583 | 0.28393 | 591.15 | 197.58 | 591.15 | 0.762 | |
| **808** | C8H16 | trans-1,3-DIMETHYLCYCLOHEXANE | 0.24395 | **0.24438** | 0.27796 | 598.00 | 183.07 | 598.00 | 0.781 | |
| **809** | C8H16 | cis-1,4-DIMETHYLCYCLOHEXANE | **0.24395** | **0.24531** | 0.27709 | 598.15 | 185.72 | 598.15 | 0.779 | |
| 810 | **C8H16** | trans-1,4-DIMETHYLCYCLOHEXANE | 0.24937 | **0.25855** | 0.27750 | 590.15 | 236.21 | 590.15 | 0.759 | |
| **811** | C8H16 | ETHYLCYCLOHEXANE | **0.24942** | **0.25384** | 0.26750 | 609.15 | 161.84 | 609.15 | 0.784 | |
| **812** | C8H16 | 2-ETHYL-1-HEXENE | **0.28124** | 0.29741 | **0.34186** | 574.00 | 173.00 | 574.00 | 0.723 | |
| **813** | C8H16 | 1-METHYL-1-ETHYLCYCLOPENTANE | 0.26372 | 0.26556 | 0.28571 | 582.00 | 129.35 | 582.00 | 0.777 | |
| **814** | C8H16 | 1-OCTENE | 0.23682 | 0.25649 | 0.28571 | 566.60 | 171.45 | 566.60 | 0.711 | |
| 815 | C8H16 | trans-2-0CTENE | 0.23618 | 0.25552 | 0.28570 | 577.00 | **185.45** | 577.00 | 0.716 | |
| 816 | C8H16 | trans-3-0CTENE | 0.23614 | 0.25690 | 0.28570 | 574.00 | 163.15 | 574.00 | 0.711 | |
| 817 | C8H16 | trans-4-OCTENE | 0.23618 | 0.25730 | 0.28570 | 573.00 | 179.37 | 573.00 | 0.710 | |
| 818 | C8H16 | n-PROPYLCYCLOPENTANE | 0.26406 | 0.27006 | 0.29032 | 603.00 | 155.82 | 603.00 | 0.773 | |
| **819** | C8H16 | 2,4,4-TRIMETHYL-1-PENTENE | 0.24383 | 0.26325 | 0.28570 | 553.00 | 179.70 | 553.00 | 0.711 | |
| 820 | C8H16 | 2,4,4-TRIMETHYL-2-PENTENE | 0.24369 | 0.26104 | 0.28570 | 558.00 | 166.84 | 558.00 | 0.717 | |
| 821 | C8H16O | 2-ETHYLHEXANAL | 0.26165 | 0.25050 | 0.28570 | 607.00 | 200.00 | 607.00 | 0.819 | |
| **822** | C8H16O | 1-OCTANAL | 0.27049 | 0.27235 | 0.24964 | 621.00 | 246.00 | 621.00 | 0.816 -- | |
| **823** | C8H16O | 2-OCTANONE | 0.27337 | 0.26616 | 0.29628 | 624.00 | 252.85 | 624.00 | 0.815 | |
| **824** | C8H16O2 | n-BUTYL n-BUTYRATE | 0.29193 | 0.27108 | 0.27650 | 616.00 | 181.15 | 616.00 | 0.866 | |
| **825** | C8H16O2 | n-HEXYL ACETATE | 0.29194 | 0.26544 | 0.29810 | 618.00 | 192.25 | 618.00 | 0.868 | |
| 826 | C8H16O2 | ISOBUTYL ISOBUTYRATE | 0.28483 | 0.26402 | 0.28570 | 602.00 | 192.45 | 602.00 | 0.852 | |
| **827** | C8H16O2 | n-OCTANOIC ACID | 0.29231 | 0.26676 | 0.28020 | 692.00 | **289.65** | 692.00 | 0.903 | |
| **828** | C8H1604 | DIETHYLENE GLYCOL ETHYL ETHER ACETATE | 0.31206 | 0.24902 | 0.28570 | 660.00 | 248.15 | 660.00 | 1.006 | |
| **829** | C8H18 | 2,2-DIMETHYLHEXANE | 0.23673 | 0.26386 | 0.27774 | 549.80 | 151.97 | 549.80 | 0.692 | |
| **830** | C8H18 | 2,3-DIMETHYLHEXANE | 0.24189 | 0.26817 | 0.26950 | 563.40 | 272.04 | 563.40 | 0.708 | |
| **831** | C8H18 | 2,4-DIMETHYLHEXANE | 0.24718 | 0.27280 | 0.29850 | 553.50 | 272.04 | 553.50 | 0.693 | |
| **832** | **C8H18** | 2,5-DIMETHYLHEXANE | 0.23576 | 0.26329 | 0.27820 | 550.00 | 182.00 | 550.00 | 0.690 | |
| **833** | **C8H18** | 3,3-DIMETHYLHEXANE | 0.25513 | 0.29013 | 0.25680 | 562.00 | 147.05 | 562.00 | 0.707 | |
| **834** | C8H18 | 3,4-DIMETHYLHEXANE | 0.24176 | 0.26579 | 0.26761 | 568.80 | 272.04 | 568.80 | 0.716 | |
| 835 | C8H18 | 3-ETHYLHEXANE | 0.24802 | 0.27726 | 0.26570 | 565.40 | 272.04 | 565.40 | 0.710 | |
| 836 | C8H18 | 3-ETHYL-2-METHYLPENTANE | 0.23480 | 0.25400 | 0.28571 | 567.00 | 158.20 | 567.00 | 0.711 | |
| 837 | C8H18 | 3-METHYL-3-ETHYLPENTANE | 0.25100 | 0.27254 | 0.28169 | 576.50 | **182.28** | 576.50 | 0.724 | |
| **838** | C8H18 | 2-METHYLHEPTANE | 0.23177 | 0.25900 | 0.27130 | 559.64 | 164.16 | 559.64 | 0.696 | |
| 839 | C8H18 | 3-METHYLHEPTANE | 0.24461 | 0.27441 | 0.27130 | 563.67 | 152.60 | 563.67 | 0.702 | |
| 840 | C8H18 | 4-METHYLHEPTANE | 0.23935 | 0.25882 | 0.28324 | 561.74 | 152.20 | 561.74 | 0.713 | |
| **841** | C8H18 | n-OCTANE | 0.22807 | 0.25476 | 0.26940 | 568.83 | 216.38 | 568.83 | 0.699 | |
| 842 | C8H18 | 2,2,3-TRIMETHYLPENTANE | 0.26064 | 0.29071 | 0.27340 | 563.50 | 160.89 | 563.50 | 0.712 | |
| 843 | C8H18 | 2,2,4-TRIMETHYLPENTANE | 0.24563 | 0.27373 | 0.28460 | 543.96 | 165.78 | 543.96 | 0.690 | |
| **844** | C8H18 | 2,3,3-TRIMETHYLPENTANE | 0.25089 | 0.27446 | 0.27410 | 573.50 | 172.22 | 573.50 | 0.722 | |
| **845** | C8H18 | 2,3,4-TRIMETHYLPENTANE | 0.24307 | 0.26794 | 0.26474 | 566.30 | 163.95 | 566.30 | 0.716 |  |
| 846 | C8H18 | 2,2,3,3-TETRAMETHYLBUTANE | 0.24740 | 0.28000 | 0.28571 | 567.80 | 172.47 | 567.80 | 0.692 |
| 847 | C8H18O | Dl-n-BUTYL ETHER | 0.25521 | 0.25986 | 0.28570 | 581.00 | 177.95 | 581.00 | 0.764 | |
| **848** | C8H18O | DI-sec-BUTYL ETHER | 0.26379 | 0.26874 | 0.28571 | 559.00 | 173.15 | 559.00 | 0.759 | |
| **849** | C8H18O | DI-tart-BUTYL ETHER | 0.26676 | 0.27010 | 0.28571 | 550.00 | 195.00 | 550.00 | 0.760 | |
| 850 | C8H18O | 2-ETHYL-1-HEXANOL | 0.26851 | 0.26127 | 0.27730 | 640.25 | 203.15 | 640.25 | 0.830 | |
| **851** | C8H18O | 1-OCTANOL | 0.26568 | 0.26126 | 0.28090 | 652.50 | 257.65 | 652.50 | 0.823 | |
| 852 | C8H18O | 2-OCTANOL | 0.27765 | 0.27264 | 0.29430 | 637.15 | 241.55 | 637.15 | 0.817 | |
| 853 | C8H18O2 | DI-I-BUTYL PEROXIDE | 0.28537 | 0.27942 | 0.28570 | 547.00 | 233.15 | 547.00 | 0.790 | |
| **854** | C8H18O2S | Dl-n-BUTYL SULFONE | 0.31335 | 0.25806 | 0.30522 | 767.00 | 318.00 | 767.00 | -- | |
| 855 | C8H18O3 | DIETHYLENE GLYCOL DIETHYL ETHER | 0.29057 | 0.25504 | 0.28570 | 624.00 | 228.85 | 624.00 | 0.904 | |
| 856 | C8H18O3 | DIETHYLENE GLYCOL MONOBUTYL EHTER | 0.30082 | 0.25390 | 0.28570 | 654.00 | 205.15 | 654.00 | 0.952 | |
| 857 | C8H1804 | TRIETHYLENE GLYCOL DIMETHYL ETHER | 0.32523 | 0.24622 | 0.39180 | 651.00 | 229.35 | 651.00 | 0.980 | |
| **858** | C8H18O5 | TETRAETHYLENE GLYCOL | 0.33834 | 0.24768 | 0.28570 | 722.00 | 268.15 | 722.00 | 1.122 | |

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| **density = A B** ·11 • T/Tc)•n **(density - g/ml, T - K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | **n** | Tc | **TMIN** | **TMAX** | **density @ 25 C** |
| 859 | C8H18S | n-OCTYL MERCAPTAN | 0.28243 | 0.27171 | 0.29980 | 664.00 | 223.95 | 664.00 | 0.840 |
| 860 | C8H18S | tert-OCTYL MERCAPTAN | 0.27675 | 0.26263 | 0.28571 | 627.00 | 199.00 | 627.00 | 0.841 |
| 861 | C8H18S | BUTYL-SULFIDE | 0.27110 | 0.26000 | 0.28571 | 650.00 | 209.86 | 650.00 | 0.840 |
| 862 | C8H18S | ETHYL-HEXYL-SULFIDE | 0.26290 | 0.25200 | 0.28571 | 660.72 | 209.86 | 660.72 | 0.840 |
| 863 | C8H18S | HEPTYL-METHYL-SULFIDE | 0.26290 | 0.25200 | 0.28571 | 660.72 | 209.86 | 660.72 | 0.840 |
| 864 | C8H18S | PENTYL-PROPYL-SULFIDE | 0.26290 | 0.25200 | 0.28571 | 660.72 | **209.86** | 660.72 | 0.840 |
| 865 | C8H18S2 | BUTYL-DISULFIDE | 0.30030 | 0.26500 | 0.28571 | 704.16 | 202.16 | 704.16 | 0.934 |
| 866 | C8H19N | Dl-n-BUTYLAMINE | 0.24734 | 0.25824 | 0.28270 | 607.50 | 211.15 | 607.50 | 0.757 |
| 867 | C8H19N | DIISOBUTYLAMINE | 0.24737 | 0.26249 | 0.27200 | 580.00 | 203.15 | 580.00 | 0.743 |
| 868 | C8H19N | n-OCTYLAMINE | 0.25035 | 0.25550 | 0.28571 | 627.00 | 272.75 | 627.00 | 0.779 |
| 869 | C8H23N5 | TETRAETHYLENEPENTAMINE | 0.29764 | 0.25004 | 0.28571 | 774.00 | 243.00 | 774.00 | 0.994 |
| 870 | C8H2404Si4 | OCTAMETHYLCYCLOTETRASILOXANE | 0.30628 | 0.25230 | 0.27690 | 586.50 | 290.80 | 586.50 | 0.949 |
| 871 | C9H4O5 | TRIMELLITIC ANHYDRIDE | 0.41542 | 0.25500 | 0.28571 | 890.00 | 438.15 | 890.00 | -- |
| 872 | C9H6N2O2 | TOLUENE DIISOCYANATE | 0.33173 | 0.24582 | 0.14390 | 737.00 | 287.04 | 737.00 | 1.220 |
| 873 | C9H7N | ISOQUINOLINE | 0.32054 | 0.24749 | 0.27890 | 803.15 | 299.45 | 803.15 | -- |
| 874 | C9H7N | QUINOLINE | 0.27550 | 0.21440 | 0.23616 | 782.15 | 258.25 | 782.15 | 1.090  -- |
| 875 | C9H7NO | 8-HYDROXYQUINOLINE | 0.35000 | 0.27600 | 0.29000 | 788.00 | 346.00 | 788.00 |  |
| 876 | C9H8 | INDENE | 0.31515 | 0.25400 | 0.31000 | 687.00 | 271.70 | 687.00 | 0.994 |
| 877 | C9H8O | 2-METHYLBENZOFURAN | 0.32648 | 0.25390 | 0.28570 | 698.00 | 290.00 | 698.00 | 1.051 |
| 878 | C9H10 | INDANE | 0.31019 | 0.26117 | 0.30223 | 684.90 | 221.74 | 684.90 | 0.960 |
| 879 | C9H10 | cis-PROPENYLBENZENE | 0.28840 | 0.25800 | 0.28571 | 664.60 | 211.47 | **664.60** | 0.904 |
| 880 | C9H10 | trans-PROPENYLBENZENE | 0.28770 | 0.25800 | 0.28571 | 664.60 | 243.82 | 664.60 | 0.902 |
| 881 | C9H1O | alpha-METHYLSTYRENE | 0.27938 | 0.24510 | 0.29512 | 654.00 | 249.95 | 654.00 | 0.905 |
| 882 | C9H10 | m-METHYLSTYRENE | 0.29036 | 0.25698 | 0.29075 | 657.00 | 186.81 | 657.00 | 0.908 |
| 883 | C9H10 | o-METHYLSTYRENE | 0.29037 | 0.25672 | 0.29306 | 659.00 | 204.58 | 659.00 | 0.908 |
| 884 | C9H10 | p-METHYLSTYRENE | 0.27420 | 0.22722 | 0.34660 | 665.00 | 239.02 | 665.00 | 0.916 |
| 885 | C9H10O2 | BENZYL ACETATE | 0.33445 | 0.25370 | 0.33360 | 699.00 | 221.65 | 699.00 | 1.045 |
| 886 | C9H10O2 | ETHYL BENZOATE | 0.30711 | 0.23878 | 0.28487 | 698.00 | 238.45 | 698.00 | 1.042  -- |
| 887 | C9H10O3 | ETHYL VANILLIN | 0.35518 | 0.24600 | 0.28571 | 748.00 | 350.65 | 748.00 |  |
| 888 | C9H11NO | p-DIMETHYLAMINOBENZALDEHYDE | 0.29323 | 0.22580 | 0.28570 | 832.00 | 348.00 | 832.00 | -- |
| 889 | C9H12 | CUMENE | 0.28240 | 0.26180 | 0.29000 | 631.15 | 177.14 | 631.15 | 0.860 |
| 890 | C9H12 | m-ETHYLTOLUENE | 0.24529 | 0.22803 | 0.25957 | 637.15 | 177.61 | 637.15 | 0.860 |
| 891 | C9H12 | o-ETHYLTOLUENE | 0.26129 | 0.23963 | 0.27075 | 651.15 | 192.35 | 651.15 | 0.877 |
| 892 | C9H12 | p-ETHYLTOLUENE | 0.25573 | 0.23831 | 0.27196 | 640.15 | 210.83 | 640.15 | 0.857 |
| 893 | C9H12 | MESITYLENE | 0.27770 | 0.25909 | 0.27982 | 637.36 | 228.46 | 637.36 | 0.861 |
| 894 | C9H12 | n-PROPYLBENZENE | 0.27349 | 0.25270 | 0.29130 | 638.38 | 173.67 | 638.38 | 0.860 |
| 895 | C9H12 | 1,2,3-TRIMETHYLBENZENE | 0.29063 | 0.27026 | 0.26080 | 664.53 | 247.79 | 664.53 | 0.891 |
| 896 | C9H12 | 1,2,4-TRIMETHYLBENZENE | 0.27966 | 0.25948 | 0.27724 | 649.13 | 229.38 | 649.13 | 0.872 |
| 897 | C9H12O | BENZYLETHYLETHER | 0.30813 | 0.26925 | 0.26320 | 662.00 | 275.65 | 662.00 | 0.945  -- |
| 898 | C9H12O | 2-PHENYL-2-PROPANOL | 0.30953 | 0.25658 | 0.26019 | 660.00 | 309.15 | 660.00 |  |
| 899 | C9H12O2 | CUMENE HYDROPEROXIDE | 0.36351 | 0.27800 | 0.28600 | 605.00 | 264.26 | 605.00 | 1.043 |
| 900 | C9H14O | ISOPHORONE | 0.29347 | 0.26380 | 0.28570 | 715.00 | 265.05 | 715.00 | 0.920 |
| 901 | C9H1406 | GLYCERYL TRIACETATE | 0.34964 | 0.24630 | 0.28570 | 704.00 | 277.25 | 704.00 | 1.158 |
| 902 | C9H16 | 1-NONYNE | 0.25050 | 0.26400 | 0.28571 | 610.81 | 223.16 | 610.81 | 0.752 |
| 903 | C9H1604 | AZELAIC ACID | 0.30855 | 0.23160 | 0.28571 | 811.00 | 379.65 | 811.00 | -- |
| 904 | C9H18 | BUTYLCYCLOPENTANE | 0.25160 | 0.25600 | 0.28571 | 625.05 | 165.18 | 625.05 | 0.781 |
| 905 | C9H18 | cis,cis-1,3,5-TRIMETHYLCYCLOHEXANE | 0.24190 | 0.24700 | 0.28571 | 607.86 | 223.46 | 607.86 | 0.767 |
| 906 | C9H18 | cis,trans-1,3,5-TRIMETHYLCYCLOHEXANE | 0.22580 | 0.24500 | 0.28571 | 602.20 | 188.76 | 602.20 | 0.718 |
| 907 | C9H18 | ISOPROPYLCYCLOHEXANE | 0.27207 | 0.27126 | 0.29805 | 627.00 | 183.76 | 627.00 | 0.798 |
| 908 | C9H18 | 1-NONENE | 0.23551 | 0.25321 | 0.28571 | 593.25 | 191.78 | 593.25 | 0.725 |
| 909 | C9H18 | n-PROPYLCYCLOHEXANE | 0.26469 | 0.26694 | 0.30020 | 639.15 | 178.28 | 639.15 | 0.790 |
| 910 | C9H18O | DIISOBUTYL KETONE | 0.27249 | 0.27240 | 0.28130 | 615.00 | 227.17 | 615.00 | 0.802 |
| 911 | C9H18O | 1-NONANAL | 0.26990 | 0.27291 | 0.25011 | 640.00 | 255.15 | 640.00 | 0.819 |
| 912 | C9H18O2 | n-BUTYL VALERATE | 0.28929 | 0.26646 | 0.29650 | 629.00 | 180.35 | 629.00 | 0.863 |
| 913 | C9H18O2 | n-NONANOIC ACID | 0.28928 | 0.25819 | 0.31610 | 703.00 | 285.55 | 703.00 | 0.902 |
| 914 | C9H18O2 | n-OCTYL FORMATE | 0.28929 | 0.26348 | 0.30888 | 645.00 | 234.05 | 645.00 | 0.870 |
| 915 | C9H20 | 3,3-DIETHYLPENTANE | 0.27116 | 0.28977 | 0.29339 | 610.05 | 240.12 | 610.05 | 0.750 |
| 916 | C9H20 | 2,2-DIMETHYL-3-ETHYLPENTANE | 0.24980 | 0.26899 | 0.28571 | 590.00 | 173.68 | 590.00 | 0.731 |
| 917 | C9H20 | 3-ETHYL-2,3-DIMETHYLPENTANE | 0.24260 | 0.25400 | 0.28571 | 606.80 | 173.67 | 606.80 | 0.751 |
| 918 | C9H20 | 2,4-DIMETHYL-3-ETHYLPENTANE | 0.24837 | 0.26588 | 0.28571 | 591.00 | 150.79 | 591.00 | 0.734 |
| 919 | C9H20 | 2,2-DIMETHYLHEPTANE | 0.24712 | 0.27229 | 0.29376 | 576.80 | 160.15 | 576.80 | 0.707 |
| 920 | C9H20 | 2,6-DIMETHYLHEPTANE | 0.24665 | 0.27283 | 0.29230 | 579.00 | 170.25 | 579.00 | 0.706 |
| 921 | C9H20 | 3-ETHYLHEPTANE | 0.24292 | 0.26538 | 0.27904 | 590.00 | 158.25 | 590.00 | 0.723 |
| 922 | C9H20 | 4-ETHYLHEPTANE | 0.23750 | 0.25500 | 0.28571 | 584.95 | 159.96 | 584.95 | 0.724 |
| 923 | C9H20 | 2,3-DIMETHYLHEPTANE | 0.23390 | 0.25200 | 0.28571 | 589.60 | 160.16 | 589.60 | 0.722 |
| 924 | C9H20 | 2,4-DIMETHYLHEPTANE | 0.23220 | 0.25200 | 0.28571 | 576.80 | 160.16 | 576.80 | 0.711 |
| 925 | C9H20 | 2,5-DIMETHYLHEPTANE | 0.23350 | 0.25400 | 0.28571 | 581.10 | 160.16 | 581.10 | 0.713 |
| 926 | C9H20 | 3,4-DIMETHYLHEPTANE | 0.23540 | 0.25200 | 0.28571 | 591.90 | 170.26 | 591.90 | 0.727 |
| 927 | C9H20 | 3,5-DIMETHYLHEPTANE | 0.23440 | 0.25300 | 0.28571 | 583.20 | 170.26 | 583.20 | 0.719 |
| 928 | C9H20 | 4,4-DIMETHYLHEPTANE | 0.23280 | 0.25000 | 0.28571 | 585.40 | 170.26 | 585.40 | 0.721 |
| 929 | C9H20 | 3-ETHYL-2-METHYLHEXANE | 0.23420 | 0.24900 | 0.28571 | 588.10 | 160.16 | 588.10 | 0.729 |
| 930 | C9H20 | 4-ETHYL-2-METHYLHEXANE | 0.23360 | 0.25100 | 0.28571 | 580.00 | 160.16 | 580.00 | 0.719 |
| 931 | C9H20 | 3-ETHYL-3-METHYLHEXANE | 0.23620 | 0.25000 | 0.28571 | 597.50 | 160.16 | 597.50 | 0.737 |
| 932 | C9H20 | 3-ETHYL-4-METHYLHEXANE | 0.23570 | 0.24900 | 0.28571 | 593.70 | 160.16 | 593.70 | 0.736 |
| 933 | C9H20 | 2,2,3-TRIMETHYLHEXANE | 0.23660 | 0.25400 | 0.28571 | 588.00 | 153.16 | 588.00 | 0.725 |
| 934 | C9H20 | 2,2,4-TRIMETHYLHEXANE | 0.23380 | 0.25300 | 0.28571 | 573.50 | 153.00 | 573.50 | 0.713 |
| 935 | C9H20 | 2,3,3-TRIMETHYLHEXANE | 0.23790 | 0.25300 | 0.28571 | 596.00 | 156.36 | 596.00 | 0.734 |
| 936 | C9H20 | 2,3,4-TRIMETHYLHEXANE | 0.23760 | 0.25200 | 0.28571 | 594.50 | 156.36 | 594.50 | 0.735 |

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| density = **A B** ·<1 • T/Tc)•n **(density** - g/ml, T- K) | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | **n** | Tc | **TMlN** | **TMAX** | **density** @ 25 C |
| 937 | C9H20 | 2,3,5-TRIMETHYLHEXANE | 0.23550 | 0.25400 | 0.28571 | 579.20 | 145.36 | 579.20 | 0.718 |
| **938** | C9H20 | 2,4,4-TRIMETHYLHEXANE | 0.23360 | 0.25100 | 0.28571 | 581.50 | 159.78 | 581.50 | 0.720 |
| 939 | C9H20 | 3,3,4-TRIMETHYLHEXANE | 0.24010 | 0.25400 | 0.28571 | 602.30 | 171.96 | 602.30 | 0.741 |
| 940 | C9H20 | 2-METHYLOCTANE | 0.23414 | 0.25713 | 0.28570 | 586.75 | **192.78** | 586.75 | 0.710 |
| **941** | C9H20 | 3-METHYLOCTANE | 0.24245 | 0.26711 | 0.28007 | 590.15 | 165.55 | 590.15 | 0.717 |
| 942 | C9H20 | 4-METHYLOCTANE | 0.24524 | 0.26571 | 0.29984 | 587.65 | 159.95 | 587.65 | 0.716 |
| 943 | C9H20 | n-NONANE | 0.23364 | 0.25556 | 0.28571 | 595.65 | 219.63 | 595.65 | 0.715 |
| 944 | C9H20 | 2,2,3,3-TETRAMETHYLPENTANE | 0.26833 | 0.28394 | 0.29712 | 610.85 | 263.26 | 610.85 | 0.753 |
| 945 | C9H20 | 2,2,3,4-TETRAMETHYLPENTANE | 0.26175 | 0.28166 | 0.29201 | 592.15 | 152.06 | 592.15 | 0.735 |
| 946 | C9H20 | 2,2,4,4-TETRAMETHYLPENTANE | 0.25448 | 0.27885 | 0.28631 | 571.35 | 206.95 | 571.35 | 0.716 |
| 947 | C9H20 | 2,3,3,4-TETRAMETHYLPENTANE | 0.23690 | 0.25100 | 0.28571 | 592.60 | 152.00 | 592.60 | 0.735 |
| **948** | C9H20 | 2,2,5-TRIMETHYLHEXANE | 0.24536 | 0.26753 | 0.29540 | 568.05 | 167.39 | 568.05 | 0.707 |
| 949 | C9H20O | 2,6-DIMETHYL-4-HEPTANOL | 0.27341 | 0.26836 | 0.28570 | 603.00 | 208.00 | 603.00 | 0.807 |
| 950 | C9H20O | 1-NONANOL | 0.26400 | 0.26493 | 0.26313 | 673.00 | 268.15 | 673.00 | 0.824 |
| 951 | C9H20O | 2-NONANOL | 0.26812 | 0.26341 | 0.27220 | 623.00 | 238.15 | 623.00 | 0.820 |
| 952 | C9H20S | n-NONYL MERCAPTAN | 0.28078 | 0.27027 | 0.30570 | 681.00 | 253.05 | 681.00 | 0.841 |
| 953 | C9H20S | BUTYL-PENTYL-SULFIDE | 0.25560 | 0.24600 | 0.28571 | 681.56 | 231.16 | 681.56 | 0.840 |
| 954 | C9H20S | ETHYL-HEPTYL-SULFIDE | 0.25560 | 0.24600 | 0.28571 | 681.56 | 231.16 | 681.56 | 0.840 |
| 955 | C9H20S | HEXYL-PROPYL-SULFIDE | 0.25560 | 0.24600 | 0.28571 | 681.56 | 231.16 | 681.56 | 0.840 |
| 956 | C9H20S | METHYL-OCTYL-SULFIDE | 0.25560 | 0.24600 | 0.28571 | 681.56 | 231.16 | 681.56 | 0.840 |
| 957 | C9H21N | n-NONYLAMINE | 0.24805 | 0.25300 | 0.28571 | 648.00 | 273.15 | 648.00 | 0.785 |
| 958 | C9H21N | TRIPROPYLAMINE | 0.24950 | 0.26668 | 0.24500 | 577.50 | 179.65 | 577.50 | 0.754 |
| 959 | C10H6O8 | PYROMELLITIC ACID | 0.43516 | 0.24700 | 0.28571 | 893.00 | 554.00 | 893.00 | -- |
| 960 | C10H7Br | 1-BROMONAPHTHALENE | 0.45710 | 0.26057 | 0.30299 | 824.00 | 279.35 | 824.00 | 1.478 |
| 961 | C10H7CI | 1-CHLORONAPHTHALENE | 0.37470 | 0.26597 | 0.31459 | 785.00 | 269.15 | 785.00 | 1.171 |
| **962** | C10H8 | NAPHTHALENE | 0.30619 | 0.25037 | 0.27300 | 748.35 | 353.43 | 748.35 | -- |
| 963 | C10H8 | AZULENE | 0.31300 | 0.24800 | 0.28571 | 773.48 | 173.66 | 773.48 | 1.053 |
| **964** | C10H9N | QUINALDINE | 0.29044 | 0.22705 | 0.28571 | 773.00 | 272.15 | 773.00 | 1.055 |
| **965** | C10H10 | m-DIVINYLBENZENE | 0.29589 | 0.25859 | 0.30295 | 692.00 | 206.25 | 692.00 | 0.925 |
| **966** | C10H10 | 1-METHYLINDENE | **0.29588** | 0.26316 | 0.21234 | 703.00 | 350.00 | 703.00 | -- |
| 967 | C10H10 | 2-METHYLINDENE | 0.30348 | 0.26254 | 0.23950 | 684.00 | 353.15 | 684.00 | -- |
| **968** | C10H1004 | DIMETHYL PHTHALA TE | 0.36641 | **0.25428** | 0.30720 | 766.00 | 272.15 | 766.00 | 1.189 |
| 969 | C10H1004 | DIMETHYL TEREPHTHALATE | 0.36710 | 0.26885 | 0.26120 | 772.00 | 413.80 | 772.00 | -- |
| 970 | C10H12 | DICYCLOPENTADIENE | 0.29725 | 0.24800 | 0.28570 | 660.00 | 307.00 | 660.00 | -- |
| 971 | C10H12 | 1,2,3,4-TETRAHYDRONAPHTHALENE | **0.29840** | 0.25750 | 0.26770 | 720.15 | 237.40 | 720.15 | 0.967 |
| 972 | C10H12O | ANETHOLE | 0.30747 | 0.25656 | 0.29525 | 723.00 | 294.50 | 723.00 | 0.984 |
| 973 | C10H1204 | DIALLYL MALEATE | 0.32384 | 0.24500 | 0.28571 | 693.00 | 226.15 | 693.00 | 1.073 |
| **974** | C10H14 | n-BUTYLBENZENE | 0.27043 | 0.25325 | 0.28960 | 660.55 | 185.30 | 660.55 | 0.858 |
| 975 | C10H14 | sec-BUTYLBENZENE | 0.27558 | 0.26013 | 0.28570 | **664.54** | 197.72 | **664.54** | 0.858 |
| 976 | C10H14 | tert-BUTYLBENZENE | 0.27832 | 0.26103 | 0.28570 | 660.00 | 215.27 | 660.00 | 0.863 |
| 977 | C10H14 | 1,2,3,4-TETRAMETHYLBENZENE | 0.26430 | 0.23700 | 0.28571 | 695.10 | 266.91 | 695.10 | 0.901 |
| **978** | C10H14 | m-CYMENE | 0.27674 | 0.25906 | 0.29420 | 657.00 | 209.44 | 657.00 | 0.857 |
| 979 | C10H14 | o-CYMENE | 0.27447 | 0.25298 | 0.28800 | 662.00 | 201.64 | 662.00 | 0.873 |
| **980** | C10H14 | p-CYMENE | 0.27296 | 0.25742 | 0.28750 | 653.15 | 205.25 | 653.15 | 0.852 |
| 981 | C10H14 | m-DIETHYLBENZENE | 0.27326 | 0.25662 | 0.28571 | 663.00 | 189.26 | 663.00 | 0.860 |
| **982** | C10H14 | o-DIETHYLBENZENE | 0.27466 | 0.25340 | 0.28570 | 668.00 | 241.93 | 668.00 | 0.876 |
| **983** | C10H14 | p-DIETHYLBENZENE | 0.27075 | 0.25397 | 0.28571 | 657.96 | 230.32 | 657.96 | 0.858 |
| 984 | C1OH14 | 2-ETHYL-m-XYLENE | 0.27847 | 0.25308 | 0.29133 | 671.00 | 256.89 | 671.00 | 0.886 |
| **985** | C10H14 | 2-ETHYL-p-XYLENE | 0.27846 | 0.25625 | 0.29320 | 663.00 | 219.52 | 663.00 | 0.873 |
| **986** | C10H14 | 3-ETHYL-o-XYLENE | 0.28474 | 0.24012 | 0.28485 | 680.00 | 223.64 | 680.00 | 0.888 |
| 987 | C10H14 | 4-ETHYL-m-XYLENE | 0.27847 | 0.25636 | 0.29537 | 665.00 | 210.27 | 665.00 | 0.872 |
| **988** | C10H14 | 4-ETHYL-o-XYLENE | 0.27405 | 0.25435 | 0.28571 | 667.00 | 206.22 | 667.00 | 0.871 |
| **989** | C1OH14 | 5-ETHYL-m-XYLENE | 0.27847 | 0.25932 | 0.29461 | 655.00 | 188.82 | 655.00 | 0.861 |
| 990 | C10H14 | ISOBUTYLBENZENE | 0.29434 | 0.27495 | 0.32244 | 650.15 | 221.70 | 650.15 | 0.849 |
| 991 | C10H14 | 1,2,3,5-TETRAMETHYLBENZENE | 0.27771 | 0.25427 | 0.28571 | 679.00 | 249.46 | 679.00 | 0.887 |
| 992 | C10H14 | 1,2,4,5-TETRAMETHYLBENZENE | 0.27679 | 0.25384 | 0.28571 | 675.15 | 352.38 | 675.15 | --  -- |
| 993 | C10H14O | i o-tert-BUTYLPHENOL | 0.31037 | 0.26490 | 0.28570 | 734.00 | 371.56 | 734.00 | -- |
| 994 | C10H14O2 | p-tert-BUTYLCATECHOL | 0.35024 | 0.27730 | 0.28570 | 776.00 | 325.00 | 776.00 |  |
| 995 | C10H15N | N,N-DIETYHLANILINE | 0.26888 | 0.23810 | 0.26203 | 702.00 | 235.15 | 702.00 | 0.931 |
| 996 | C10H15N | 2,6-DIETHYLANILINE | 0.30132 | 0.27412 | 0.28571 | 678.00 | 276.65 | 678.00 | 0.902  -- |
| 997 | C10H16 | CAMPHENE | 0.27302 | 0.25606 | 0.26469 | 638.00 | 320.15 | 638.00 |  |
| 998 | C10H16 | D-LIMONENE | 0.26000 | 0.25157 | 0.27210 | 660.00 | 199.00 | 660.00 | 0.839 |
| 999 | C10H16 | alpha-PHELLANDRENE | 0.27306 | · 0.26074 | 0.28570 | 649.00 | 220.00 | 649.00 | 0.843 |
| 1000 | C1OH16 | beta-PHELLANDRENE | 0.27974 | 0.26440 | 0.31500 | 648.00 | 220.00 | 648.00 | 0.837 |
| 1001 | C10H16 | alpha-PINENE | 0.27032 | 0.25601 | 0.26040 | 632.00 | 209.15 | 632.00 | 0.857 |
| 1002 | C10H16 | beta-PINENE | 0.26924 | 0.26424 | 0.20685 | 643.00 | 211.61 | 643.00 | 0.867 |
| 1003 | C10H16 | aloha-TERPINENE | 0.26915 | 0.26144 | 0.28571 | 652.00 | 220.00 | 652.00 | 0.830 |
| 1004 | C1OH16 | gamma-TERPINENE | 0.26951 | 0.25754 | 0.28570 | 661.00 | 220.00 | 661.00 | 0.845 |
| 1005 | C10H16 | TERPINOLENE | 0.26777 | 0.25225 | 0.28571 | 672.00 | 200.00 | 672.00 | 0.858  -- |
| 1006 | C10H16O | CAMPHOR | 0.33140 | 0.23300 | 0.28571 | 709.00 | 453.25 | 709.00 |  |
| 1007 | C10H18 | 1-DECYNE | 0.24540 | 0.25700 | 0.28571 | 632.49 | 229.16 | 632.49 | 0.762 |
| 1008 | C10H18 | cis-DECAHYDRONANPHTALENE | 0.28899 | 0.26613 | 0.28720 | 702.25 | 230.20 | 702.25 | 0.894 |
| 1009 | C10H18 | trans-DECAHYDRONAPHTHALENE | 0.28679 | 0.26991 | 0.29520 | 687.05 | 242.79 | 687.05 | 0.868 |
| 1010 | C10H1804 | SEBACIC ACID | 0.30716 | 0.22835 | 0.28571 | 815.00 | 407.65 | 815.00 | -- |
| 1011 | C10H20 | n-BUTYLCYCLOHEXANE | 0.26269 | 0.26560 | 0.30240 | 667.00 | 198.42 | 667.00 | 0.796 |
| 1012 | C10H20 | 1-CYCLOPENTYLPENTANE | 0.24630 | 0.25000 | 0.28571 | 647.49 | 190.16 | 647.49 | 0.787 |
| 1013 | C10H20 | 1-DECENE | 0.23981 | 0.25776 | 0.28562 | 617.05 | 206.89 | 617.05 | 0.737 |
| 1014 | C10H20O | 1-DECANAL | 0.26943 | 0.26956 | 0.26840 | 657.00 | 267.15 | 657.00 | 0.821 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density** = **A B** · <1• Trrc>•n **(density** - g/ml, T - **K)** | | | | | | | | | |
| **NO** | FORMULA | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density** @ 25 C |
| 1015 | C10H20O2 | n-DECANOIC ACID | 0.28725 | 0.27072 | 0.26860 | 713.00 | 304.75 | 713.00 | -- |
| 1016 | C10H20O2 | 2-ETHYLHEXYL ACETATE | 0.27669 | 0.25430 | 0.28570 | 639.00 | 180.15 | 639.00 | 0.869 |
| 1017 | C10H20O2 | ISOPENTYL ISOVALERATE | 0.28711 | 0.28038 | 0.24390 | 637.00 | 215.00 | 637.00 | 0.854 |
| 1018 | C10H22 | n-DECANE | 0.23276 | 0.25240 | 0.28570 | 618.45 | 243.49 | 618.45 | 0.728 |
| 1019 | C10H22 | 2-METHYLNONANE | 0.24406 | 0.26475 | 0.30083 | 610.00 | 198.50 | 610.00 | 0.723 |
| 1020 | C10H22 | 3-METHYLNONANE | 0.24406 | 0.26569 | 0.28692 | 613.00 | 188.35 | 613.00 | 0.729 |
| 1021 | C10H22 | 4-METHYLNONANE | 0.24406 | 0.26162 | 0.30463 | 610.00 | 174.45 | 610.00 | 0.728 |
| 1022 | C10H22 | 5-METHYLNONANE | 0.24406 | 0.26379 | 0.29452 | 610.00 | 185.45 | 610.00 | 0.729 |
| 1023 | C10H22 | 3-ETHYLOCTANE | 0.22690 | 0.24100 | 0.28571 | 613.60 | 185.46 | 613.60 | 0.736 |
| 1024 | C10H22 | 4-ETHYLOCTANE | 0.22370 | 0.23700 | 0.28571 | 609.60 | 185.46 | 609.60 | 0.734 |
| 1025 | C10H22 | 2,2-DIMETHYLOCTANE | 0.24788 | 0.27137 | 0.29314 | 602.00 | 225.00 | 602.00 | 0.721 |
| 1026 | C10H22 | 2,3-DIMETHYLOCTANE | 0.22790 | 0.24300 | 0.28571 | 613.20 | 219.16 | 613.20 | 0.734 |
| 1027 | C10H22 | 2,4-DIMETHYLOCTANE | 0.22600 | 0.24300 | 0.28571 | 599.40 | 219.16 | 599.40 | 0.723 |
| 1028 | C10H22 | 2,5-DIMETHYLOCTANE | 0.22750 | 0.24400 | 0.28571 | 603.00 | 219.16 | 603.00 | 0.726 |
| 1029 | C10H22 | 2,6-DIMETHYLOCTANE | 0.22890 | 0.24700 | 0.28571 | 603.10 | 219.16 | 603.10 | 0.723 |
| 1030 | C10H22 | 2,7-DIMETHYLOCTANE | 0.22780 | 0.24700 | 0.28571 | 602.90 | 219.16 | 602.90 | 0.720 |
| 1031 | C10H22 | 3,3-DIMETHYLOCTANE | 0.22830 | 0.24300 | 0.28571 | 612.10 | 219.16 | 612.10 | 0.735 |
| 1032 | C10H22 | 3,4-DIMETHYLOCTANE | 0.22920 | 0.24200 | 0.28571 | 614.00 | 219.16 | 614.00 | 0.741 |
| 1033 | C10H22 | 3,5-DIMETHYLOCTANE | 0.22680 | 0.24100 | 0.28571 | 606.30 | 219.16 | 606.30 | 0.733 |
| 1034 | C10H22 | 3,6-DIMETHYLOCTANE | 0.22800 | 0.24300 | 0.28571 | 608.30 | 219.16 | 608.30 | 0.732 |
| 1035 | C10H22 | 4,4-DIMETHYLOCTANE | 0.22540 | 0.24000 | 0.28571 | 606.90 | 219.16 | 606.90 | 0.731 |
| 1036 | C10H22 | 4,5-DIMETHYLOCTANE | 0.22850 | 0.24000 | 0.28571 | 612.20 | 219.16 | 612.20 | 0.743 |
| 1037 | C10H22 | 4-PROPYLHEPTANE | 0.22490 | 0.23800 | 0.28571 | 601.00 | 219.16 | 601.00 | 0.732 |
| 1038 | C10H22 | 4-ISOPROPYLHEPTANE | 0.22430 | 0.23700 | 0.28571 | 607.60 | 219.16 | 607.60 | 0.735 |
| 1039 | C10H22 | 3-ETHYL-2-METHYLHEPTANE | 0.22680 | 0.23900 | 0.28571 | 610.90 | 219.16 | 610.90 | 0.740 |
| 1040 | C10H22 | 4-ETHYL-2-METHYLHEPTANE | 0.22480 | 0.23800 | 0.28571 | 601.80 | 219.16 | 601.80 | 0.732 |
| 1041 | C10H22 | 5-ETHYL-2-METHYLHEPTANE | 0.22640 | 0.24100 | 0.28571 | 606.70 | 219.16 | 606.70 | 0.732 |
| 1042 | C10H22 | 3-ETHYL-3-METHYLHEPTANE | 0.22690 | 0.23800 | 0.28571 | 620.00 | 219.16 | 620.00 | 0.746 |
| 1043 | C10H22 | 4-ETHYL-3-METHYLHEPTANE | 0.22690 | 0.23700 | 0.28571 | 614.30 | 219.16 | 614.30 | 0.746 |
| 1044 | C10H22 | 3-ETHYL-5-METHYLHEPTANE | 0.22640 | 0.23900 | 0.28571 | 606.60 | 219.16 | 606.60 | 0.737 |
| 1045 | C10H22 | 3-ETHYL-4-METHYLHEPTANE | 0.22680 | 0.23700 | 0.28571 | 615.50 | 219.16 | 615.50 | 0.747 |
| 1046 | C10H22 | 4-ETHYL-4-METHYLHEPTANE | 0.22690 | 0.23700 | 0.28571 | 615.70 | 219.16 | 615.70 | 0.747 |
| 1047 | C10H22 | 2,2,3-TRIMETHYLHEPTANE | 0.23020 | 0.24400 | 0.28571 | 611.70 | 219.16 | 611.70 | 0.738 |
| 1048 | C10H22 | 2,2,4-TRIMETHYLHEPTANE | 0.22620 | 0.24200 | 0.28571 | 594.50 | 219.16 | 594.50 | 0.724 |
| 1049 | C10H22 | 2,2,5-TRIMETHYLHEPTANE | 0.22750 | 0.24400 | 0.28571 | 598.00 | 219.16 | 598.00 | 0.724 |
| 1050 | C10H22 | 2,2,6-TRIMETHYLHEPTANE | 0.22900 | 0.24700 | 0.28571 | 593.40 | 219.16 | 593.40 | 0.720 |
| 1051 | C10H22 | 2,3,3-TRIMETHYLHEPTANE | 0.23080 | 0.24300 | 0.28571 | 617.50 | 219.16 | 617.50 | 0.745 |
| 1052 | C10H22 | 2,3,4-TRIMETHYLHEPTANE | 0.22960 | 0.24100 | 0.28571 | 613.70 | 219.16 | 613.70 | 0.745 |
| 1053 | C10H22 | 2,3,5-TRIMETHYLHEPTANE | 0.22780 | 0.24000 | 0.28571 | 612.80 | 219.16 | 612.80 | 0.741 |
| 1054 | C10H22 | 2,3,6-TRIMETHYLHEPTANE | 0.22880 | 0.24400 | 0.28571 | 604.10 | 219.16 | 604.10 | 0.731 |
| 1055 | C10H22 | 2,4,4-TRIMETHYLHEPTANE | 0.22690 | 0.24100 | 0.28571 | 600.30 | 219.16 | 600.30 | 0.731 |
| 1056 | C10H22 | 2,4,5-TRIMETHYLHEPTANE | 0.22810 | 0.24100 | 0.28571 | 606.90 | 219.16 | 606.90 | 0.737 |
| 1057 | C10H22 | 2,4,6-TRIMETHYLHEPTANE | 0.22750 | 0.24500 | 0.28571 | 590.30 | 219.16 | 590.30 | 0.719 |
| 1058 | C10H22 | 2,5,5-TRIMETHYLHEPTANE | 0.22980 | 0.24300 | 0.28571 | 602.90 | 219.16 | 602.90 | 0.736 |
| 1059 | C10H22 | 3,3,4-TRIMETHYLHEPTANE | 0.23100 | 0.24100 | 0.28571 | 622.10 | 219.16 | 622.10 | 0.752 |
| 1060 | C10H22 | 3,3,5-TRIMETHYLHEPTANE | 0.23380 | 0.24800 | 0.28571 | 609.50 | 219.16 | 609.50 | 0.739 |
| 1061 | C10H22 | 3,4,4-TRIMETHYLHEPTANE | 0.23140 | 0.24100 | 0.28571 | 620.90 | 219.16 | 620.90 | 0.753 |
| 1062 | C10H22 | 3,4,5-TRIMETHYLHEPTANE | 0.23110 | 0.24000 | 0.28571 | 612.80 | 219.16 | 612.80 | 0.752 |
| 1063 | C10H22 | 3-ISOPROPYL-2-METHYLHEXANE | 0.22260 | 0.23400 | 0.28571 | 623.40 | 219.16 | 623.40 | 0.744 |
| 1064 | C10H22 | 3,3-DIETHYLHEXANE | 0.22780 | 0.23600 | 0.28571 | 627.80 | 219.16 | 627.80 | 0.757 |
| 1065 | C10H22 | 3,4-DIETHYLHEXANE | 0.22500 | 0.23500 | 0.28571 | 618.80 | 219.16 | 618.80 | 0.747 |
| 1066 | C10H22 | 3-ETHYL-2,2-DIMETHYLHEXANE | 0.22820 | 0.23900 | 0.28571 | 611.70 | 219.16 | 611.70 | 0.745 |
| 1067 | C10H22 | 4-ETHYL-2,2-DIMETHYLHEXANE | 0.22820 | 0.24200 | 0.28571 | 594.60 | 219.16 | 594.60 | 0.730 |
| 1068 | C10H22 | 3-ETHYL-2,3-DIMETHYLHEXANE | 0.23190 | 0.24000 | 0.28571 | 626.80 | 219.16 | 626.80 | 0.760 |
| 1069 | C10H22 | 4-ETHYL-2,3-DIMETHYLHEXANE | 0.22970 | 0.23900 | 0.28571 | 617.30 | 219.16 | 617.30 | 0.752 |
| 1070 | C10H22 | 3-ETHYL-2,4-DIMETHYLHEXANE | 0.22970 | 0.23900 | 0.28571 | 616.10 | 219.16 | 616.10 | 0.751 |
| 1071 | C10H22 | 4-ETHYL-2,4-DIMETHYLHEXANE | 0.23110 | 0.24100 | 0.28571 | 620.90 | 219.16 | 620.90 | 0.752 |
| 1072 | C10H22 | 3-ETHYL-2,5-DIMETHYLHEXANE | 0.22760 | 0.24000 | 0.28571 | 603.50 | 219.16 | 603.50 | 0.737 |
| 1073 | C10H22 | 4-ETHYL-3,3-DIMETHYLHEXANE | 0.23120 | 0.23900 | 0.28571 | 625.70 | 219.16 | 625.70 | 0.760 |
| 1074 | C10H22 | 3-ETHYL-3,4-DIMETHYLHEXANE | 0.23050 | 0.23800 | 0.28571 | 624.50 | 219.16 | 624.50 | 0.760 |
| 1075 | C10H22 | 2,2,3,3-TETRAMETHYLHEXANE | 0.23420 | 0.24200 | 0.28571 | 623.00 | 219.16 | 623.00 | 0.761 |
| 1076 | C10H22 | 2,2,3,4-TETRAMETHYLHEXANE | 0.23080 | 0.24100 | 0.28571 | 620.40 | 219.16 | 620.40 | 0.751 |
| 1077 | C10H22 | 2,2,3,5-TETRAMETHYLHEXANE | 0.23070 | 0.24500 | 0.28571 | 601.30 | 219.16 | 601.30 | 0.733 |
| 1078 | C10H22 | 2,2,4,4-TETRAMETHYLHEXANE | 0.22610 | 0.23700 | 0.28571 | 610.20 | 219.16 | 610.20 | 0.742 |
| 1079 | C10H22 | 2,2,4,5-TETRAMETHYLHEXANE | 0.22890 | 0.24300 | 0.28571 | 598.50 | 219.16 | 598.50 | 0.731 |
| 1080 | C10H22 | 2,2,5,5-TETRAMETHYLHEXANE | 0.23560 | 0.25600 | 0.28571 | 581.40 | 260.56 | 581.40 | 0.715 |
| 1081 | C10H22 | 2,3,3,4-TETRAMETHYLHEXANE | 0.23450 | 0.24200 | 0.28571 | 633.10 | 260.56 | 633.10 | 0.765 |
| 1082 | C10H22 | 2,3,3,5-TETRAMETHYLHEXANE | 0.23160 | 0.24300 | 0.28571 | 610.10 | 260.56 | 610.10 | 0.745 |
| 1083 | C10H22 | 2,3,4,4-TETRAMETHYLHEXANE | 0.23850 | 0.24100 | 0.28571 | 626.60 | 260.56 | 626.60 | 0.779 |
| 1084 | C10H22 | 2,3,4,5-TETRAMETHYLHEXANE | 0.23150 | 0.24300 | 0.28571 | 613.20 | 260.56 | 613.20 | 0.746 |
| 1085 | C10H22 | 3,3,4,4-TETRAMETHYLHEXANE | 0.23710 | 0.24200 | 0.28571 | 646.70 | 260.56 | 646.70 | 0.779 |
| 1086 | C10H22 | 2,4-DIMETHYL-3-ISOPROPYLPENTANE | 0.23090 | 0.23900 | 0.28571 | 614.40 | 191.46 | 614.40 | 0.754 |
| 1087 | C10H22 | 3,3-DIETHYL-2-METHYLPENTANE | 0.23440 | 0.23900 | 0.28571 | 639.90 | 191.46 | 639.90 | 0.775 |
| 1088 | C10H22 | 3-ETHYL-2,2,3-TRIMETHYLPENTANE | 0.23610 | 0.24100 | 0.28571 | 646.00 | 191.46 | 646.00 | 0.778 |
| 1089 | C10H22 | 3-ETHYL-2,2,4-TRIMETHYLPENTANE | 0.23120 | 0.24000 | 0.28571 | 615.30 | 191.46 | 615.30 | 0.753 |
| 1090 | C10H22 | 3-ETHYL-2,3,4-TRIMETHYLPENTANE | 0.23510 | 0.24100 | 0.28571 | 642.30 | 191.46 | 642.30 | 0.773 |
| 1091 | C10H22 | 2,2,3,3,4-PENTAMETHYLPENTANE | 0.23920 | 0.24500 | 0.28571 | 643.80 | 236.71 | 643.80 | 0.777 |
| 1092 | C10H22 | 2,2,3,4,4-PENTAMETHYLPENTANE | 0.23300 | 0.24000 | 0.28571 | 627.30 | 234.41 | 627.30 | 0.764 |

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| i  **density** = **A B**. 11 • mci•n **(density** - **g/ml, T** - **K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | **n** | Tc | **TMIN** | **TMAX** | **density@ 25** C |
| 1093 | C10H22O | 1-DECANOL | 0.26416 | 0.26113 | 0.29040 | 690.00 | 280.05 | 690.00 | 0.825 |
| 1094 | C10H22O | Dl-n-PENTYL ETHER | 0.26692 | 0.27155 | 0.29940 | 622.00 | 203.72 | 622.00 | 0.780 |
| 1095 | C10H22O | ISODECANOL | 0.26547 | 0.25389 | 0.28571 | 644.00 | 213.15 | 644.00 | 0.837 |
| 1096 | C10H22O5 | TETRAETHYLENE GLYCOL DIMETHYL ETHER | 0.32980 | 0.25837 | 0.35270 | 705.00 | 243.45 | 705.00 | 1.006 |
| 1097 | C10H22S | n-DECYL MERCAPTAN | 0.27941 | 0.27937 | 0.26122 | 696.00 | 247.56 | 696.00 | 0.841 |
| 1098 | C10H22S | BUTYL-HEXYL-SULFIDE | 0.24780 | 0.23900 | 0.28571 | 701.03 | 238.16 | 701.03 | 0.841 |
| 1099 | C10H22S | ETHYL-OCTYL-SULFIDE | 0.24780 | 0.23900 | 0.28571 | 701.03 | 238.16 | 701.03 | 0.841 |
| 1100 | C10H22S | HEPTYL-PROPYL-SULFIDE | 0.24780 | 0.23900 | 0.28571 | 701.03 | 238.16 | 701.03 | 0.841 |
| 1101 | C10H22S | METHYL-NONYL-SULFIDE | 0.24780 | 0.23900 | 0.28571 | 701.03 | 238.16 | 701.03 | 0.841 |
| 1102 | C10H22S | PENTYL-SULFIDE | 0.24780 | 0.23900 | 0.28571 | 701.03 | 238.16 | 701.03 | 0.841 |
| 1103 | C10H22S2 | PENTYL-DISULFIDE | 0.28160 | 0.25300 | 0.28571 | 726.94 | 214.16 | 726.94 | 0.918 |
| 1104 | C10H23N | n-DECYLAMINE | 0.24715 | 0.25170 | 0.28570 | 663.00 | 288.85 | 663.00 | 0.791 |
| 1105 | C11H10 | 1-METHYLNAPHTHALENE | 0.27189 | 0.22408 | 0.25709 | 772.04 | 242.67 | 772.04 | 1.017 |
| 1106 | C11H10 | 2-METHYLNAPHTHALENE | 0.28252 | 0.23843 | 0.25590 | 761.00 | 307.73 | 761.00 | ---- |
| 1107 | C11H14O2 | n-BUTYL BENZOATE | 0.32114 | 0.26431 | 0.29710 | 724.00 | 251.65 | 724.00 | 1.001 |
| 1108 | C11H16 | n-PENTYLBENZENE | 0.26967 | 0.25746 | 0.28130 | 679.90 | 198.15 | 679.90 | 0.855 |
| 1109 | C11H16O | p-tert-AMYLPHENOL | 0.30033 | 0.26100 | 0.28571 | 751.00 | 366.00 | 751.00 | --- |
| 1110 | C11H20 | 1-UNDECYNE | 0.24090 | 0.25100 | 0.28571 | 650.99 | 248.16 | 650.99 | 0.769 |
| 1111 | C11H20O2 | 2-ETHYLHEXYL ACRYLATE | 0.28838 | 0.24214 | 0.39520 | 655.00 | 183.15 | 655.00 | 0.880 |
| 1112 | C11H22 | 1-UNDECENE | 0.24035 | 0.25645 | 0.29033 | 638.00 | 223.99 | 638.00 | 0.747 |
| 1113 | C11H22 | 1-CYCLOPENTYLHEXANE | 0.24000 | 0.24300 | 0.28571 | 667.67 | 200.16 | 667.67 | 0.793 |
| 1114 | C11H22 | PENTYLCYCLOHEXANE | 0.24250 | 0.24400 | 0.28571 | 674.01 | 215.66 | 674.01 | 0.800 |
| 1115 | C11H22O | 1-UNDECANAL | 0.26946 | 0.26210 | 0.30963 | 672.00 | 273.15 | 672.00 | 0.823 |
| 1116 | C11H24 | n-UNDECANE | 0.23143 | 0.24999 | 0.28571 | 638.76 | 247.57 | 638.76 | 0.737 |
| 1117 | C11H24O | 1-UNDECANOL | 0.26798 | 0.26292 | 0.30200 | 704.00 | 289.05 | 704.00 | 0.831 |
| 1118 | C11H24S | UNDECYL MERCAPTAN | 0.27867 | 0.28063 | 0.25705 | 710.00 | 270.15 | 710.00 | 0.841 |
| 1119 | C11H24S | BUTYL-HEPTYL-SULFIDE | 0.24020 | 0.23200 | 0.28571 | 717.91 | 254.66 | 717.91 | 0.841 |
| 1120 | C11H24S | DECYL-METHYL-SULFIDE | 0.24020 | 0.23200 | 0.28571 | 717.91 | 254.66 | 717.91 | 0.841 |
| 1121 | C11H24S | ETHYL-NONYL-SULFIDE | 0.24020 | 0.23200 | 0.28571 | 717.91 | 254.66 | 717.91 | 0.841 |
| 1122 | C11H24S | OCTYL-PROPYL-SULFIDE | 0.24020 | 0.23200 | 0.28571 | 717.91 | 254.66 | 717.91 | 0.841 |
| 1123 | C12H8O | DIBENZOFURAN | 0.31555 | 0.22920 | 0.29450 | 837.80 | 355.65 | 837.80 | -- |
| 1124 | C12H9N | DIBENZOPYRROLE | 0.34727 | 0.21000 | 0.28571 | 899.00 | 517.95 | 899.00 | -- |
| 1125 | C12H10 | ACENAPHTHENE | 0.27888 | 0.22047 | 0.24020 | 803.15 | 366.56 | 803.15 | -- |
| 1126 | C12H10 | BIPHENYL | 0.30766 | 0.25375 | 0.27892 | 789.26 | 342.37 | 789.26 | -- |
| 1127 | C12H10O | DIPHENYL ETHER | 0.34314 | 0.27600 | 0.26661 | 763.00 | 300.02 | 763.00 | --- |
| 1128 | C12H11N | p-AMINODIPHENYL | 0.31403 | 0.26100 | 0.28571 | 817.00 | 326.00 | 817.00 | ----- |
| 1129 | C12H11N | DIPHENYLAMINE | 0.31410 | 0.24546 | 0.28330 | 817.00 | 326.15 | 817.00 | --- |
| 1130 | C12H11N3 | p-AMINOAZOBENZENE | 0.30716 | 0.25500 | 0.28571 | 877.00 | 401.00 | 877.00 | ----- |
| 1131 | C12H11N3 | 1,3-DIPHENYL TRIAZENE | 0.30751 | 0.25800 | 0.28571 | 845.00 | 372.00 | 845.00 | ---- |
| 1132 | C12H12 | 1,2-DIMETHYLNAPHTHALENE | 0.29600 | 0.24300 | 0.28571 | 775.34 | 272.16 | 775.34 | 1.014 |
| 1133 | C12H12 | 1,3-DIMETHYLNAPHTHALENE | 0.29380 | 0.24400 | 0.28571 | 773.76 | 269.16 | 773.76 | 1.003 |
| 1134 | C12H12 | 1,4-DIMETHYLNAPHTHALENE | 0.29560 | 0.24300 | 0.28571 | 776.78 | 280.82 | 776.78 | 1.013 |
| 1135 | C12H12 | 1,5-DIMETHYLNAPHTHALENE | 0.29960 | 0.24400 | 0.28571 | 773.47 | 355.16 | 773.47 | -- |
| 1136 | C12H12 | 1,6-DIMETHYLNAPHTHALENE | 0.29400 | 0.24500 | 0.28571 | 770.60 | 259.16 | 770.60 | 0.999 |
| 1137 | C12H12 | 1,7-DIMETHYLNAPHTHALENE | 0.29400 | 0.24500 | 0.28571 | 770.60 | 260.16 | 770.60 | 0.999  -- |
| 1138 | C12H12 | 2,3-DIMETHYLNAPHTHALENE | 0.29960 | 0.24200 | 0.28571 | 777.78 | 378.16 | 777.78 |  |
| 1139 | C12H12 | 2,6-DIMETHYLNAPHTHALENE | 0.30044 | 0.24605 | 0.31910 | 777.00 | 384.55 | 777.00 | ---- |
| 1140 | C12H12 | 2,7-DIMETHYLNAPHTHALENE | 0.30044 | 0.24608 | 0.31993 | 778.00 | 370.15 | 778.00 |  |
| 1141 | C12H12 | 1-ETHYLNAPHTHALENE | 0.30045 | 0.25375 | 0.26400 | 776.00 | 259.34 | 776.00 | 1.004 |
| 1142 | C12H12 | 2-ETHYLNAPHTHALENE | 0.29970 | 0.25400 | 0.28571 | 774.90 | 265.76 | 774.90 | 0.988 |
| 1143 | C12H12N2 | p-AMINODIPHENYLAMINE | 0.30883 | 0.26400 | 0.28571 | 867.00 | 341.15 | 867.00 | -----  --- |
| 1144 | C12H12N2 | HYDRAZOBENZENE | 0.33125 | 0.26100 | 0.28571 | 792.00 | 404.15 | 792.00 |  |
| 1145 | C12H14 | 1,2,3-TRIMETHYLINDENE | 0.29914 | 0.24275 | 0.28571 | 726.00 | 344.65 | 726.00 | ---- |
| 1146 | C12H1404 | DIETHYL PHTHALATE | 0.34999 | 0.25154 | 0.35250 | 757.00 | 269.15 | 757.00 | 1.113 |
| 1147 | C12H16 | CYCLOHEXYLBENZENE | 0.29085 | 0.25100 | 0.32273 | 744.00 | 280.14 | 744.00 | 0.939 |
| 1148 | C12H18 | m-DIISOPROPYLBENZENE | 0.27046 | 0.23535 | 0.40400 | 684.00 | 210.02 | 684.00 | 0.852 |
| 1149 | C12H18 | p-DIISOPROPYLBENZENE | 0.26927 | 0.25774 | 0.28570 | 689.00 | 256.08 | 689.00 | 0.853 |
| 1150 | C12H18 | n-HEXYLBENZENE | 0.26391 | 0.25217 | 0.28570 | 698.00 | 212.00 | 698.00 | 0.855 |
| 1151 | C12H18 | 1,2,3-TRIETHYLBENZENE | 0.26440 | 0.24600 | 0.28571 | 684.37 | 206.66 | 684.37 | 0.870 |
| 1152 | C12H18 | 1,2,4-TRIETHYLBENZENE | 0.26440 | 0.24600 | 0.28571 | 684.37 | 206.66 | 684.37 | 0.870 |
| 1153 | C12H18 | 1,3,5-TRIETHYLBENZENE | 0.27070 | 0.24700 | 0.28571 | 682.28 | 206.66 | 682.28 | 0.887 |
| 1154 | C12H18 | HEXAMETHYLBENZENE | 0.27070 | 0.21600 | 0.28571 | 758.00 | 438.66 | 758.00 | --- |
| 1155 | C12H2004 | DIBUTYL MALEATE | 0.31751 | 0.26117 | 0.30740 | 716.00 | 188.15 | 716.00 | 0.991 |
| 1156 | C12H22 | BICYCLOHEXYL | 0.27812 | 0.26185 | 0.28130 | 727.00 | 276.78 | 727.00 | 0.883 |
| 1157 | C12H22 | 1-DODECYNE | 0.23540 | 0.24400 | 0.28571 | 668.16 | 254.16 | 668.16 | 0.775 |
| 1158 | C12H23N | DICYCLOHEXYLAMINE | 0.29292 | 0.26661 | 0.29800 | 737.00 | 273.05 | 737.00 | 0.909 |
| 1159 | C12H24 | 1-DODECENE | 0.24047 | 0.25418 | 0.29662 | 657.00 | 237.93 | 657.00 | 0.756 |
| 1160 | C12H24 | 1-CYCLOPENTYLHEPTANE | 0.23790 | 0.23700 | 0.28571 | 679.00 | 220.00 | 679.00 | 0.806 |
| 1161 | C12H24 | 1-CYCLOHEXYLHEXANE | 0.26280 | 0.23800 | 0.28571 | 691.81 | 263.60 | 691.81 | 0.892 |
| 1162 | C12H24O | 1-DODECANAL | 0.24814 | 0.24260 | 0.28570 | 685.00 | 285.15 | 685.00 | 0.826  -- |
| 1163 | C12H24O2 | n-DODECANOIC ACID | 0.28418 | 0.26550 | 0.29330 | 734.00 | 317.15 | 734.00 |  |
| 1164 | C12H26 | n-DODECANE | 0.23403 | 0.25183 | 0.28960 | 658.20 | 263.57 | 658.20 | 0.745 |
| 1165 | C12H26O | DI-n-HEXYL ETHER | 0.26696 | 0.27208 | 0.30250 | 658.00 | 230.15 | 658.00 | 0.790 |
| 1166 | C12H26O | 1-DODECANOL | 0.26716 | 0.26218 | 0.31100 | 721.00 | 296.95 | 721.00 | 0.830 |
| 1167 | C12H26O3 | DIETHYLENE GLYCOL DI-n-BUTYL ETHER | 0.27194 | 0.24994 | 0.28571 | 680.00 | 212.95 | 680.00 | 0.881 |
| 1168 | C12H26S | n-DODECYL MERCAPTAN | 0.27765 | 0.27018 | 0.31186 | 724.00 | 265.15 | 724.00 | 0.842 |
| 1169 | C12H26S | BUTYL-OCTYL-SULFIDE | 0.23280 | 0.22500 | 0.28571 | 733.68 | 259.16 | 733.68 | 0.842 |
| 1170 | C12H26S | DECYL-ETHYL-SULFIDE | 0.23280 | 0.22500 | 0.28571 | 733.68 | 259.16 | 733.68 | 0.842 |

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| **density = A B** ·11 • mci•n **(density - g/ml, T - K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | **n** | Tc | **TMIN** | **TMAX** | **density@ 25 C** |
| 1171 | C12H26S | HEXYL-SULFIDE | 0.23280 | 0.22500 | 0.28571 | 733.68 | 259.16 | 733.68 | 0.842 |
| 1172 | C12H26S | METHYL-UNDECYL-SULFIDE | 0.23280 | 0.22500 | 0.28571 | 733.68 | 259.16 | 733.68 | 0.842 |
| 1173 | C12H26S | NONYL-PROPYL-SULFIDE | 0.23280 | 0.22500 | 0.28571 | 733.68 | 259.16 | 733.68 | 0.842 |
| 1174 | C12H26S2 | HEXYL-DISULFIDE | 0.26530 | 0.24100 | 0.28571 | 747.10 | 225.16 | 747.10 | 0.908 |
| 1175 | C12H278O3 | TRl-n-BUTYL BORATE | 0.26660 | 0.24121 | 0.39033 | 743.15 | 203.15 | 743.15 | 0.854 |
| 1176 | C12H27N | DODECYLAMINE | 0.25256 | 0.263 | 0.27740 | 696.00 | 301.47 | 696.00 | -- |
| 1177 | C12H27N | TRl-n-BUTYLAMINE | 0.25305 | 0.26523 | 0.27430 | 644.00 | 203.00 | 644.00 | 0.775 |
| 1178 | C13H10 | FLUORENE | 0.41540 | 0.26000 | 0.28571 | 870.00 | 387.94 | 870.00 | -- |
| 1179 | C13H10O | BENZOPHENONE | 0.30836 | 0.23634 | 0.27310 | 816.00 | 321.35 | 816.00 | -- |
| 1180 | C13H12 | DIPHENYLMETHANE | 0.30387 | 0.25318 | 0.28570 | 768.00 | 298.39 | 768.00 | -- |
| 1181 | C13H14 | 1-PROPYLNAPHTHALENE | 0.29340 | 0.24800 | 0.28571 | 771.45 | 264.69 | 771.45 | 0.987 |
| 1182 | C13H14 | 2-PROPYLNAPHTHALENE | 0.28930 | 0.24800 | 0.28571 | 772.44 | 270.16 | 772.44 | 0.973 |
| 1183 | C13H14 | 2ETHYL-3-METHYLNAPHTHALENE | 0.29480 | 0.24300 | 0.28571 | 776.44 | 344.16 | 776.44 | -- |
| 1184 | C13H14 | 2ETHYL-6-METHYLNAPHTHALENE | 0.29480 | 0.24600 | 0.28571 | 766.56 | 318.16 | 766.56 | -- |
| 1185 | C13H14 | 2ETHYL-7-METHYLNAPHTHALENE | 0.29480 | 0.24600 | 0.28571 | 766.56 | 318.16 | 766.56 | -- |
| 1186 | C13H20 | n-HEPTYLBENZENE | 0.27207 | 0.25684 | 0.32095 | 714.00 | 225.15 | 714.00 | 0.853 |
| 1187 | C13H24 | 1-TRIDECYNE | 0.22990 | 0.23700 | 0.28571 | 684.11 | 268.16 | 684.11 0.781 | |
| 1188 | C13H26 | 1-TRIDECENE | 0.24121 | 0.25311 | 0.30402 | 675.00 | 250.08 | 675.00 | 0.762 |
| 1189 | C13H26 | 1-CYCLOPENTYLOCTANE | 0.22920 | 0.23100 | 0.28571 | 702.06 | 229.16 | 702.06 | 0.801 |
| 1190 | C13H26 | 1-CYCLOHEXYLHEPTANE | 0.23050 | 0.23100 | 0.28571 | 708.63 | 242.66 | 708.63 | 0.807 |
| 1191 | C13H26O | 1-TRIDECANAL | 0.26877 | 0.26107 | 0.32170 | 700.00 | 288.15 | 700.00 | 0.827 |
| 1192 | C13H26O2 | n-BUTYL NONANOATE | 0.27000 | 0.25481 | 0.28570 | 652.00 | 235.15 | 652.00 | 0.851 |
| 1193 | C13H26O2 | METHYLDODECANOATE | 0.28508 | 0.22100 | 0.28571 | 712.00 | 278.15 | 712.00 | 1.039 |
| 1194 | C13H28 | n-TRIDECANE | 0.23767 | 0.25040 | 0.31200 | 675.80 | 267.76 | 675.80 | 0.754 |
| 1195 | C13H28O | 1-TRIDECANOL | 0.24656 | 0.24200 | 0.28570 | 731.00 | 303.75 | 731.00 | -- |
| 1196 | C13H28S | BUTYL-NONYL-SULFIDE | 0.22650 | 0.21900 | 0.28571 | 748.42 | 271.16 | 748.42 | 0.842 |
| 1197 | C13H28S | DECYL-PROPYL-SULFIDE | 0.22650 | 0.21900 | 0.28571 | 748.42 | 271.16 | 748.42 | 0.842 |
| 1198 | C13H28S | DODECYL-METHYL-SULFIDE | 0.22650 | 0.21900 | 0.28571 | 748.42 | 271.16 | 748.42 | 0.842 |
| 1199 | C13H28S | ETHYL-UNDECYL-SULFIDE | 0.22650 | 0.21900 | 0.28571 | 748.42 | 271.16 | 748.42 | 0.842 |
| 1200 | C13H28S | 1-TRIDECANETHIOL | 0.23670 | 0.23000 | 0.28571 | 742.13 | 282.04 | 742.13 | 0.842 |
| 1201 | C14H8O2 | ANTHRAQUINONE | 0.36491 | 0.24020 | 0.28570 | 900.00 | 559.15 | 900.00 | -- |
| 1202 | C14H10 | ANTHRACENE | 0.32172 | 0.26069 | 0.23530 | 873.00 | 489.25 | 873.00 | --  -- |
| 1203 | C14H10 | DIPHENYLACETYLENE | 0.29187 | 0.25600 | 0.28571 | 832.00 | 335.65 | 832.00 |  |
| 1204 | C14H10 | PHENANTHRENE | 0.32181 | 0.25228 | 0.24860 | 869.25 | 372.38 | 869.25 | -- |
| 1205 | C14H12 | cis-STILBENE | 0.30849 | 0.25436 | 0.28571 | 757.00 | 268.15 | 757.00 | 1.011 |
| 1206 | C14H12 | trans-STILBENE | 0.31224 | 0.23200 | 0.28571 | 820.00 | 397.35 | 820.00 | -- |
| 1207 | C14H12O2 | BENZYL BENZOATE | 0.30582 | 0.22320 | 0.32700 | 820.00 | 292.55 | 820.00 | 1.115 |
| 1208 | C14H14 | 1,1-DIPHENYLETHANE | 0.30176 | 0.25065 | 0.30352 | 775.00 | 255.20 | 775.00 | 0.996 |
| 1209 | C14H14 | 1,2-DIPHENYLETHANE | 0.30031 | 0.24800 | 0.29000 | 780.00 | 324.34 | 780.00 | -- |
| 1210 | C14H14O | DIBENZYL ETHER | 0.31276 | 0.25120 | 0.28570 | 777.00 | 276.75 | 777.00 | 1.042 |
| 1211 | C14H16 | 1-n-BUTYLNAPHTHALENE | 0.29206 | 0.25258 | 0.28340 | 792.00 | 253.43 | 792.00 | 0.973 |
| 1212 | C14H16 | 2-BUTYLNAPHTHALENE | 0.28120 | 0.24400 | 0.28571 | 780.96 | 268.16 | 780.96 | 0.962 |
| 1213 | C14H22 | n-OCTYLBENZENE | 0.27074 | 0.25617 | 0.32630 | 729.00 | 237.15 | 729.00 | 0.853 |
| 1214 | C14H22 | 1,2,3,4-TETRAETHYLBENZENE | 0.25410 | 0.23300 | 0.28571 | 708.20 | 284.96 | 708.20 | 0.883 |
| 1215 | C14H22 | 1,2,3,5-TETRAETHYLBENZENE | 0.25350 | 0.23400 | 0.28571 | 707.52 | 284.16 | 707.52 | 0.878 |
| 1216 | C14H22 | 1,2,4,5-TETRAETHYLBENZENE | 0.25270 | 0.23400 | 0.28571 | 706.85 | 283.16 | 706.85 | 0.875 |
| 1217 | C14H22O | p-tert-OCTYLPHENOL | 0.29349 | 0.25200 | 0.29000 | 765.00 | 358.55 | 765.00 | -- |
| 1218 | C14H28 | 1-TETRADECENE | 0.24037 | 0.25196 | 0.30449 | 692.00 | 260.30 | 692.00 | 0.768 |
| 1219 | C14H28 | 1-CYCLOPENTYLNONANE | 0.22380 | 0.22500 | 0.28571 | 716.95 | 244.16 | 716.95 | 0.804 |
| 1220 | C14H28 | 1-CYCLOHEXYLOCTANE | 0.22490 | 0.22500 | 0.28571 | 723.61 | 253.46 | 723.61 | 0.810 |
| 1221 | C14H28O2 | n-TETRADECANOIC ACID | 0.28169 | 0.26965 | 0.28360 | 756.00 | 327.55 | 756.00 | -- |
| 1222 | C14H30 | n-TETRADECANE | 0.23556 | 0.25588 | 0.27348 | 692.40 | 279.01 | 692.40 | 0.758 |
| 1223 | C14H30O | 1-TETRADECANOL | 0.26759 | 0.26293 | 0.31824 | 741.00 | 310.65 | 741.00 | -- |
| 1224 | C14H30S | BUTYL-DECYL-SULFIDE | 0.22020 | 0.21300 | 0.28571 | 762.23 | 276.16 | 762.23 | 0.843 |
| 1225 | C14H30S | DODECYL-ETHYL-SULFIDE | 0.22020 | 0.21300 | 0.28571 | 762.23 | 276.16 | 762.23 | 0.843 |
| 1226 | C14H30S | HEPTYL-SULFIDE | 0.22020 | 0.21300 | 0.28571 | 762.23 | 276.16 | 762.23 | 0.843 |
| 1227 | C14H30S | METHYL-TRIDECYL-SULFIDE | 0.22020 | 0.21300 | 0.28571 | 762.23 | 276.16 | 762.23 | 0.843 |
| 1228 | C14H30S | PROPYL-UNDECYL-SULFIDE | 0.22020 | 0.21300 | 0.28571 | 762.23 | 276.16 | 762.23 | 0.843 |
| 1229 | C14H30S | 1-TETRADECANETHIOL | 0.22970 | 0.22300 | 0.28571 | 753.80 | 279.26 | 753.80 | 0.842 |
| 1230 | C14H30S2 | HEPTYL-DISULFIDE | 0.24920 | 0.22800 | 0.28571 | 765.96 | 235.16 | 765.96 | 0.900 |
| 1231 | C14H31N | TETRADECYLAMINE | 0.24069 | 0.24508 | 0.28571 | 722.30 | 311.34 | 722.30 | -- |
| 1232 | C15H10N2O2 | DIPHENYLMETHANE-4,4'-DIISOCYANATE | 0.35154 | 0.24341 | 0.28571 | 802.00 | 311.20 | 802.00 | -- |
| 1233 | C15H16O | p-CUMYLPHENOL | 0.32176 | 0.25500 | 0.28571 | 834.00 | 346.00 | 834.00 | --  -- |
| 1234 | C15H16O2 | BISPHENOLA | 0.33722 | 0.28100 | 0.28571 | 849.00 | 426.15 | 849.00 |  |
| 1235 | C15H18 | 1-PENTYLNAPHTHALENE | 0.27440 | 0.23800 | 0.28571 | 793.32 | 251.16 | 793.32 | 0.962 |
| 1236 | C15H18 | 2-PENTYLNAPHTHALENE | 0.26940 | 0.z$600 | 0.28571 | 797.48 | 269.16 | 797.48 | 0.953 |
| 1237 | C15H24 | n-NONYLBENZENE | 0.25876 | 0.214856 | 0.30140 | 741.00 | 249.00 | 741.00 | 0.852 |
| 1238 | C15H24O | 2,6-Dl-tert-BUTYL-p-CRESOL | 0.29532 | o. 6300 | 0.28571 | 720.00 | 344.00 | 720.00 | --- |
| 1239 | C15H24O | NONYLPHENOL | 0.29109 | 9'.25460 | 0.29244 | 757.00 | 279.15 | 757.00 | 0.949 |
| 1240 | C15H28 | 1-PENTADECYNE | 0.22000 | I 0,22500 | 0.28571 | 711.41 | 283.16 | 711.41 | 0.789 |
| 1241 | C15H30 | 1-PENTADECENE | 0.24047 | *1* 0.25056 | 0.31110 | 708.00 | 269.42 | 708.00 | 0.773 |
| 1242 | C15H30 | 1-CYCLOPENTYLDECANE | 0.21840 | 0.21900 | 0.28571 | 730.64 | 251.03 | 730.64 | 0.807 |
| 1243 | C15H30 | 1-CYCLOHEXYLNONANE | 0.21930 | 0.21900 | 0.28571 | 737.79 | 262.96 | 737.79 | 0.813 |
| 1244 | C15H30O2 | PENTADECANOIC ACID | 0.28056 | 0.25872 | 0.33432 | 766.00 | 325.68 | 766.00 | -- |
| 1245 | C15H32 | n-PENTADECANE | 0.24137 | 0.25375 | 0.31579 | 706.80 | 283.11 | 706.80 | 0.765 |
| 1246 | C15H32O | 1-PENTADECANOL | 0.25540 | 0.22600 | 0.28571 | 722.53 | 317.04 | 722.53 | -- |
| 1247 | C15H32S | BUTYL-UNDECYL-SULFIDE | 0.21400 | 0.20700 | 0.28571 | 775.15 | 284.16 | 775.15 | 0.843 |
| 1248 | C15H32S | DODECYL-PROPYL-SULFIDE | 0.21400 | 0.20700 | 0.28571 | 775.15 | 284.16 | 775.15 | 0.843 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density = A B** ·11 • T/Tc)•n **(density - g/ml, T • K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | **n** | Tc | **TMIN** | **TMAX** | **density** @ 25 C |
| 1249 | C15H32S | ETHYL-TRIDECYL-SULFIDE | 0.21400 | 0.20700 | 0.28571 | 775.15 | 284.16 | 775.15 | 0.843 |
| 1250 | C15H32S | METHYL-TETRADECYL-SULFIDE | 0.21400 | 0.20700 | 0.28571 | 775.15 | 284.16 | 775.15 | 0.843 |
| 1251 | C15H32S | 1-PENTADECANETHIOL | 0.22360 | 0.21700 | 0.28571 | 764.77 | 290.93 | 764.77 | 0.843 |
| 1252 | C16H10 | FLUORANTHENE | 0.30876 | 0.22722 | 0.28571 | 905.00 | 383.33 | 905.00 | --  -- |
| 1253 | C16H10 | PYRENE | 0.31757 | 0.21360 | 0.28571 | 936.00 | 423.81 | 936.00 |  |
| 1254 | C16H12 | 1-PHENYLNAPHTHALENE | 0.31139 | 0.24155 | 0.29049 | 849.00 | 318.15 | 849.00 | -- |
| 1255 | C16H20 | 1-n-HEXYLNAPHTHALENE | 0.28656 | 0.25364 | 0.30090 | 813.00 | 255.15 | 813.00 | 0.947 |
| 1256 | C16H2204 | DIBUTYL PHTHALATE | 0.32901 | 0.25148 | 0.37367 | 781.00 | 238.15 | 781.00 | 1.043 |
| 1257 | C16H26 | n-DECYLBENZENE | 0.24794 | 0.23857 | 0.29619 | 753.00 | 258.77 | 753.00 | 0.852 |
| 1258 | C16H26 | PENTAETHYLBENZENE | 0.26520 | 0.22200 | 0.28571 | 723.64 | 327.66 | 723.64 | -- |
| 1259 | C16H30 | 1-HEXADECYNE | 0.21500 | 0.21900 | 0.28571 | 724.26 | 288.16 | 724.26 | 0.793 |
| 1260 | C16H32 | n-DECYLCYCLOHEXANE | 0.26157 | 0.26241 | 0.32209 | 751.25 | 271.42 | 751.25 | 0.815 |
| 1261 | C16H32 | 1-CYCLOPENTYLUNDECANE | 0.21300' | 0.21300 | 0.28571 | 743.30 | 263.16 | 743.30 | 0.810 |
| 1262 | C16H32 | 1-HEXADECENE | 0.24055 | 0.24958 | 0.31572 | 722.00 | 277.51 | 722.00 | 0.777 |
| 1263 | C16H32O2 | n-HEXADECANOIC ACID | 0.27973 | 0.26805 | 0.29470 | 776.00 | 335.95 | 776.00 | ·--- |
| 1264 | C16H34 | n-HEXADECANE \ | 0.24348 | 0.25442 | 0.32380 | 720.60 | 291.34 | 720.60 | 0.770 |
| 1265 | C16H34O | DI-n-OCTYL ETHER ; | 0.26642 | 0.27174 | 0.30391 | 707.00 | 265.55 | 707.00 | 0.803 |
| 1266 | C16H34O | 1-HEXADECANOL I | 0.26758 | 0.26300 | 0.32360 | 761.00 | 322.35 | 761.00 | --- |
| 1267 | C16H34S | BUTYL-DODECYL-SULFIDE */* | 0.20790 | 0.20100 | 0.28571 | 787.27 | 288.16 | 787.27 | 0.843 |
| 1268 | C16H34S | ETHYL-TETRADECYL-SULFIDE : | 0.19040 | 0.18200 | 0.28571 | 791.68 | 288.16 | 791.68 | 0.844 |
| 1269 | C16H34S | METHYL-PENTADECYL-SULFIDE *(* | 0.20790 | 0.20100 | 0.28571 | 787.27 | 288.16 | 787.27 | 0.843 |
| 1270 | C16H34S | OCTYL-SULFIDE ' | 0.20790 | 0.20100 | 0.28571 | 787.27 | 288.16 | 787.27 | 0.843 |
| 1271 | C16H34S | PROPYL-TRIDECYL-SULFIDE | 0.20790 | 0.20100 | 0.28571 | 787.27 | 288.16 | 787.27 | 0.843 |
| 1272 | C16H34S | 1-HEXADECANETHIOL | 0.21760 | 0.21100 | 0.28571 | 774.68 | 290.93 | 774.68 | 0.843 |
| 1273 | C16H34S2 | OCTYL-DISULFIDE | 0.23390 | 0.21500 | 0.28571 | 784.46 | 244.16 | 784.46 | 0.894 |
| 1274 | C17H28 | n-UNDECYLBENZENE | 0.25543 | 0.24601 | 0.30840 | 764.00 | 268.00 | 764.00 | 0.851 |
| 1275 | C17H32 | 1-HEPTADECYNE | 0.20900 | 0.21200 | 0.28571 | 736.21 | 295.16 | 736.21 | 0.796 |
| 1276 | C17H34 | 1-CYCLOPENTYLDODECANE | 0.20750 | 0.20700 | 0.28571 | 755.17 | 268.16 | 755.17 | 0.812 |
| 1277 | C17H34 | 1-CYCLOHEXYLUNDECANE | 0.20920 | 0.20800 | 0.28571 | 761.74 | 278.96 | 761.74 | 0.817 |
| 1278 | C17H34 | 1-HEPTADECENE | 0.24970 | 0.25731 | 0.33430 | 736.00 | 284.40 | 736.00 | 0.782 |
| 1279 | C17H36 | n-HEPTADECANE | 0.23953 | 0.25316 | 0.30520 | 733.37 | 295.13 | 733.37 | 0.773 |
| 1280 | C17H36O | 1-HEPTADECANOL | 0.26717 | **0.25890** | 0.33904 | 770.00 | 327.05 | 770.00 | -- |
| 1281 | C17H36S | BUTYL-TRIDECYL-SULFIDE | 0.20180 | 0.19500 | 0.28571 | 798.63 | 294.16 | 798.63 | 0.844 |
| 1282 | C17H36S | ETHYL-PENTADECYL-SULFIDE | 0.20180 | 0.19500 | 0.28571 | 798.63 | 294.16 | 798.63 | 0.844 |
| 1283 | C17H36S | HEXADECYL-METHYL-SULFIDE | 0.20180 | 0.19500 | 0.28571 | 798.63 | 294.16 | 798.63 | 0.844 |
| 1284 | C17H36S | PROPYL-TETRADECYL-SULFIDE | 0.20180 | 0.19500 | 0.28571 | 798.63 | 294.16 | 798.63 | 0.844 |
| 1285 | C17H36S | 1-HEPTADECANETHIOL | 0.26170 | 0.20500 | 0.28571 | 786.01 | 300.37 | 786.01 | --- |
| 1286 | C18H12 | CHRYSENE | 0.31492 | 0.21285 | 0.28571 | 979.00 | 531.15 | 979.00 | -- |
| 1287 | C18H14 | m-TERPHENYL | 0.30009 | 0.23686 | 0.29680 | 924.85 | 360.00 | 924.85 | ---· |
| 1288 | C18H14 | o-TERPHENYL | 0.30601 | 0.24035 | 0.31720 | 890.95 | 329.35 | 890.95 | - --· |
| 1289 | C18H14 | p-TERPHENYL | 0.30203 | 0.23661 | 0.29435 | 925.95 | 485.00 | 925.95 | --- |
| 1290 | C18H15P | TRIPHENYLPHOSPHINE | 0.47330 | 0.35320 | 0.55468 | 1008.00 | 354.40 | 1008.00 | --- |
| 1291 | C18H1504P | TRIPHENYL PHOSPHATE | -- | -- | -- | -- | --- | --- | --- |
| 1292 | C18H16N2 | N,N'-DIPHENYL-p-PHENYLENEDIAMINE | 0.31807 | 0.25100 | 0.28571 | 906.00 | 409.00 | 906.00 | ---  --- |
| 1293 | C18H22 | 2,3-DIMETHYL-2,3-DIPHENYLBUTANE | 0.30549 | 0.23200 | 0.28571 | 805.00 | 392.15 | 805.00 |  |
| 1294 | C18H22O2 | DICUMYL PEROXIDE | 0.30963 | 0.25899 | 0.28571 | 884.00 | 311.15 | 884.00 | -- |
| 1295 | C18H30 | n-DODECYLBENZENE | 0.24820 | 0.24353 | 0.28571 | 774.26 | 275.93 | 774.26 | 0.849 |
| 1296 | C18H30 | HEXAETHYLBENZENE | 0.24150 | 0.21200 | 0.28571 | 734.78 | 401.16 | 734.78 | -- |
| 1297 | C18H32O2 | LINOLEIC ACID | 0.25830 | 0.23756 | 0.28600 | 775.00 | 268.15 | 775.00 | 0.902 |
| 1298 | C18H34 | 1-OCTADECYNE | 0.24910 | 0.20700 | 0.28571 | 747.33 | 300.16 | 747.33 | --- |
| 1299 | C18H34O2 | OLEICACID | 0.28245 | 0.26812 | 0.28970 | 781.00 | 286.53 | 781.00 | 0.888 |
| 1300 | C18H3404 | DIBUTYL SEBACATE | 0.29949 | 0.25466 | 0.37852 | 768.00 | 263.95 | 768.00 | 0.932 |
| 1301 | C18H3404 | DIHEXYL ADIPATE | 0.30531 | **0.25883** | 0.38852 | 767.00 | 259.35 | 767.00 | 0.932 |
| 1302 | C18H36 | 1-CYCOPENTYL TRIDECANE | 0.20290 | 0.20200 | 0.28571 | 766.47 | 278.16 | 766.47 | 0.814 |
| 1303 | C18H36 | 1-CYCLOHEXYLDODECANE | 0.20370 | 0.20200 | 0.28571 | 772.83 | 285.66 | 772.83 | 0.819 |
| 1304 | C18H36 | 1-OCTADECENE | **0.24046** | 0.24722 | 0.32724 | 748.00 | 290.76 | 748.00 | 0.785 |
| 1305 | C18H36O2 | STEARIC ACID | 0.27980 | **0.26862** | 0.30250 | 799.00 | 342.75 | 799.00 | -- |
| \_!306 | C18H38 | n-OCTADECANE | 0.23837 | 0.25763 | 0.27400 | 745.26 | 301.33 | 745.26 | -- |
| 1307 | C18H38O | DINONYL ETHER | 0.26519 | 0.26640 | 0.33030 | 736.00 | 273.00 | 736.00 | 0.808 |
| 1308 | C18H38O | 1-OCTADECANOL | 0.26787 | 0.26493 | 0.32717 | 777.00 | 331.05 | 777.00 | --  -- |
| 1309 | C18H38S | BUTYL-TETRADECYL-SULFIDE | 0.26110 | 0.19000 | 0.28571 | 810.53 | 298.16 | 810.53 |  |
| 1310 | C18H38S | ETHYL-HEXADECYL-SULFIDE | 0.26110 | 0.19000 | 0.28571 | 810.53 | 298.16 | 810.53 | -- |
| 1311 | C18H38S | HEPTADECYL-METHYL-SULFIDE | 0.26110 | 0.19000 | 0.28571 | 810.53 | 298.16 | 810.53 | --- |
| 1312 | C18H38S | NONYL-SULFIDE | 0.26110 | 0.19000 | 0.28571 | 810.53 | 298.16 | 810.53 | ---·  --- |
| 1313 | C18H38S | PENTADECYL-PROPYL-SULFIDE | 0.26110 | 0.19000 | 0.28571 | 810.53 | 298.16 | 810.53 |  |
| **1314** | C18H38S | 1-OCTADECANETHIOL | 0.26110 | 0.20000 | 0.28571 | 795.36 | 300.93 | 795.36 | --- |
| 1315 | C18H38S2 | NONYL-DISULFIDE | 0.22100 | 0.20400 | 0.28571 | 802.30 | 252.16 | 802.30 | 0.889 |
| **1316** | C19H26 | 1-n-NONYLNAPHTHALENE | 0.25442 | 0.22733 | 0.30164 | 849.00 | 284.15 | 849.00 | 0.934 |
| 1317 | C19H32 | n-TRIDECYLBENZENE | 0.24571 | 0.23488 | 0.31981 | 783.00 | 283.15 | 783.00 | 0.851 |
| **1318** | C19H36 | 1-NONADECYNE | 0.24920 | 0.20100 | 0.28571 | 758.94 | 306.16 | 758.94 | -- |
| 1319 | C19H36O2 | METHYL OLEATE | 0.27971 | 0.26240 | 0.33247 | 764.00 | 293.05 | 764.00 | 0.870 |
| 1320 | C19H38 | 1-CYCLOPENTYL TETRADECANE | 0.20220 | 0.20100 | 0.28571 | 772.00 | 282.00 | 772.00 | 0.816 |
| 1321 | C19H38 | 1-CYCLOHEXYLTRIDECANE | 0.19900 | 0.19700 | 0.28571 | 783.38 | 291.66 | 783.38 | 0.821 |
| 1322 | C19H38 | 1-NONADECENE | **0.24228** | 0.24836 | 0.33336 | 760.00 | 296.55 | 760.00 | 0.788  -- |
| 1323 | C19H38O2 | NONADECANOIC ACID | 0.27638 | 0.26267 | 0.32160 | 810.00 | 341.23 | 810.00 |  |
| **1324** | C19H40 | n-NONADECANE | 0.23777 | 0.25012 | 0.30650 | 755.93 | 305.33 | 755.93 | -- |
| 1325 | C19H40O | 1-NONADECANOL | 0.25440 | 0.19900 | 0.28571 | 775.30 | 334.87 | 775.30 | --- |
| 1326 | C19H40S | BUTYL-PENTADECYL-SULFIDE | 0.26060 | 0.18500 | 0.28571 | 821.75 | 303.16 | 821.75 | -- |

**density = A B** ·11• rrrci•n **(density - g/ml, T - K)**

**NO FORMULA NAME A** 1 **B n** Tc **TMIN TMAX density @ 25 C**

1327 C19H40S ETHYL-HEPTADECYL-SULFIDE 0.26060 0.18500 0.28571 821.75 303.16 821.75 -- -- -

1328

1329

1330

C19H40S C19H40S C19H40S

HEXADECYL-PROPYL-SULFIDE

METHYL-OCTADECYL-SULFIDE 1-NONADECANETHIOL

0.26060 I 0.18500

0.26060 0.18500

0.26060 0.19400

0.28571

0.28571

0.28571

821.75

821.75

805.29

303.16

303.16

307.04

821.75

821.75

805.29

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1331

1332

1333

1334

1335

1336

1337

1338

1339

1340

1341

C20H16 C20H28 C20H30O2 C20H31N C20H34 C20H38 C20H40 C20H40 C20H40 C20H42

C20H42O

TRIPHENYLETHYLENE

1-n-DECYLNAPHTHALENE ABIETIC ACID DEHYDROABIETYLAMINE 1-PHENYLTETRADECANE

1-EICOSYNE

1-CYCLOPENTYLPENTADECANE

1. CYCLOHEXYLTETRADECANE

1-EICOSENE n-EICOSANE

1-EICOSANOL

0.29835

0.25088

0.32502

0.27912

0.24460

0.24920

0.19320

0.19430

0.24184

0.23759

0.26657

0.23900

0.22504

0.22600

0.24231

0.24000

0.19500

0,19100

0.19200

0.24745

0.24934

0.26872

0.28571

0.30747

0.28571

0.28571

0.28571

0.28571

0.28571

0.28571

0.33591

0.30880

0.28870

908.00

859.00

832.00

863.00

792.00

769.79

780.00

792.82

771.00

767.04

792.00

342.15 ' 908.00

288.15 859.00

446,65 832.00

317.65 863.00

**289.16** 792.00

309.16 769.79

290.00 780.00

297.16 792.82

301.76 771.00

309.59 767.04

338.55 792.00

--

0.928 --

--

--

0.851

--

**0.818**

**0.822**

--

--

-- -

1342

C20H42S

BUTYL-HEXADECYL-SULFIDE

0.26010

0.17900

0.28571

832.33

308.16

832.33 ! --·----··-·--

- - --

1343 IC20H42S

DECYL-SULFIDE

0.26010

0.17900

0.28571

832.33

308.16 ; 832.33, .j.

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1344iC20H42S

ETHYL-OCTADECYL-SULFIDE --··- -·------ - ------------- ·-t· 0,26010 i 0.17900 \_E 85 \_832.33

308.16-+\_ 32.33 ·-t-

\_--

r1345 -Tc20H42S -

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HEPTADECYL-PROPYL-SULFIDE I 0.26010 1

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0.26()10 .!

0.17900

, 0.28571

832.33

308.16 I -832.33 --

1346 ! C20H42S

METHYL-NONADECYL-SULFIDE

.. --- ··---- ---- -------- -

0.17900 ' 0.28571

832.33

308.16

832.33

----···--···-- --

- 1347 C20H42S

1348 C20H42S2

1-EJCOSANETHIOL DECYL-DISULFIDE

---

0.26010

0.20750

0.18900 0.28571

0.19200 0.28571

814.57

820.08

310.37

259.16

814.57

820.08

·----------- -----

0.885

1349

1350

1351

C21H2104P C21H36

C21H42

TRl-o-CRESYL PHOSPHATE 1-PHENYLPENTADECANE

1-CYCLOPENTYLHEXADECANE

--

0.23510

0.18810

----

0.23000

0.18600

--

0.28571

0.28571

--

800.00

-797.25

--

295.16

294.16

--

800.00

797.25

1.165 --

0.851

-

0.819

--

1352

1353

C21H42 C22H38

1-CYCLOHEXYLPENTADECANE

1-PHENYLHEXADECANE

0.25740

0.25210

0.18700

0.23000

0.28571

0.28571

803.46

808.00

302.16 1 803.46

300.16 1 808.00

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1354

1355

C22H44 C22H44O2

1-CYCLOHEXYLHEXADECANE n-BUTYL STEARA TE

0.25710

0.24798

0.18200

0.24000

0.28571

0.28570

813.42

764.00

306.76 813.42 !

299.45 764.00

-- ----·-

--

1356

--

C24H3804

DIISOOCTYL PHTHALATE

0.27512

0.23675

0.28571

851.00

254.00

851.00 I 0.983 --

1357

C24H3804

DIOCTYL PHTHALATE

0.30753

0.25052

0.38451

806.00 223.15

806.00

0.980

1358

C24H42O

DINONYLPHENOL

0.28460

0.20500

0.28571

886.00 I 350.00

886.00,

--

·--·-

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1359 | C26H20 | TETRAPHENYLETHYLENE | 0.32689 | 0.21000 | 0.28571 | 996.00 | 496.15 | 996.00 | -- |
| 1360 | C28H4604 | DIISODECYL PHTHALATE | 0.26334 | 0.23000 | 0.28600 | 887.00 | 227.59 | 887.00 | 0.973 |

**density - density of llquld, g/ml**

**A, B, n, and** Tc - **regression coefficients of chemical compound**

**T•temperature, K**

**TMAX • maximum temperature, K**

**TMIN •mlnlmun temperature, K**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density** = **A B** ·< 1• Trrc>•n **(density** • g/ml, T • **K)** | | | | | | | | | |
| NO | FORMULA | NAME | A | **B** | n | Tc | TMIN | TMAX | **density** @ **25** C |
| 1 | **Ag** | SILVER | 0.31819 | 0.03098 | 0.13648 | 6410.00 | 1234.00 | 6410.00 | ---- |
| 2 | **AgCI** | SILVER CHLORIDE | 1.59790 | 0.30000 | 0.28571 | 2992.10 | 728.15 | 928.15 | ----  -- |
| 3 | **Agl** | SILVER IODIDE | 1.86077 | 0.30000 | 0.28571 | 2897.64 | 825.15 | 1025.15 |  |
| **4** | **Al** | **ALUMINUM** | 0.20122 | 0.07645 | 0.28571 | 7151.00 | 933.00 | 1373.15 | -- |
| 5 | AIB3H12 | ALUMINUM BOROHYDRIDE | -- | -- | -- | --- | --- | -- | --- |
| **6** | AIBr3 | ALUMINUN BROMIDE | 0.47444 | 0.14123 | 0.28571 | 763.00 | 390.15 | 459.80 | --- |
| 7 | AIC13 | ALUMINUM CHLORIDE | 0.50983 | 0.24349 | 0.31244 | 629.00 | 465.75 | 629.00 | -- |
| 8 | AIF3 | ALUMINUM FLUORIDE | 0.92305 | 0.30000 | 0.28571 | 2948.13 | 1313.15 | 1513.15 | --  -- |
| 9 | All3 | ALUMINUM IODIDE | 1.17262 | 0.30000 | 0.28571 | 983.00 | 464.15 | 561.40 | -- |
| 10 | Al2O3 | ALUMINUM OXIDE | 1.26357 | 0.30000 | 0.28571 | 5335.00 | 2325.00 | 2525.00 |  |
| 11 | Al2S3O12 | ALUMINUM SULFATE | --- | -- | -- | -- | --- | -- | ----- |
| 12 | **Ar** | ARGON | 0.53120 | 0.28600 | 0.29840 | 150.86 | 83.78 | 150.86 | -- |
| 13 | **As** | ARSENIC | 0.62605, | 0.05595 | 0.28571 | 1673.15 | 1090.15 | 1290.15 |  |
| **14** | **AsBr3** | ARSENIC TRIBROMIDE | 1.06061 | 0.27400 | 0.28571 | 789.01 | 306.15 | 399.65 | -- |
| 15 | AsCl3 | ARSENIC TRICHLORIDE | 0.72432 | 0.27400 | 0.28571 | 654.00 | 255.15 | 654.00 | 2.150 |
| **16** | AsF3 | ARSENIC TRIFLUORIDE | 0.95308 | 0.27400 | 0.28571 | 530.21 | 267.25 | 530.21 | 2.649 |
| 17 | **AsF5** | ARSENIC PENTAFLUORIDE | 0.87020 | 0.27400 | 0.28571 | 357.73 | 193.35 | 357.73 | 1.890 |
| **18** | AsH3 | ARSINE | 0.79658 | 0.35950 | 0.43880 | 373.00 | 156.23 | 373.00 | 1.321 |
| 19 | Asl3 | ARSENIC TRIIODIDE | 1.41799 | 0.30000 | 0.28571 | 1101.22 | 419.15 | 619.15 | --  -- |
| 20 | As2O3 | ARSENIC TRIOXIDE | 1.27968 | 0.30000 | 0.28571 | 1189.50 | 585.95 | 658.15 |  |
| 21 | At | ASTATINE | --- | --- | -- | -- | -- | -- | -- |
| 22 | Au | GOLD | 8.35557 | 0.44663 | 0.28571 | 4398.00 | 1337.33 | 1537.33 | -- |
| 23 | B | BORON | 0.72680 | 0.30000 | 0.28571 | 7934.59 | 2348.15 | 2548.15 | -- |
| **24** | BBr3 | BORON TRIBROMIDE | 0.91487 | 0.27400 | 0.28571 | 581.00 | 228.15 | 581.00 | 2.625 |
| 25 | BCl3 | BORON TRICHLORIDE | 0.78990 | 0.41145 | 0.51112 | 451.95 | 166.15 | 451.95 | 1.318 |
| 26 | BF3 | BORON TRIFLUORIDE | 0.54855 | 0.26189 | 0.22100 | 260.90 | 146.05 | 260.90 | ---- |
| 27 | BH2CO | BORINE CARBONYL | --- | ---- | --- | ----- | ----- | ---- | ---- |
| 28 | BH3O3 | BORIC ACID | ---- | --- | --- | ---- | --- | ---- | -·- |
| 29 | B206 | DEUTERODIBORANE | ---- | ----- | -- | ---- | ---- | ---- | ----- |
| 30 | B2H5Br | DIBORANE HYDROBROMIDE | -- | ---- | -- | ----- | ----- | ----- | ----- |
| 31 | B2H6 | DIBORANE | 0.15975 | 0.27040 | 0.28790 | 289.80 | 107.65 | 289.80 | -- |
| 32 | B3N3H6 | BORINE TRIAMINE | 0.32656 | 0.27400 | 0.28571 | 521.20 | 214.95 | 521.20 | 0.902 |
| 33 | B4H10 | TETRABORANE | 0.19485 | 0.27400 | 0.28571 | 466.66 | 153.25 | 466.66 | 0.513 |
| **34** | B5H9 | PENTABORANE | 0.22962 | 0.27998 | 0.28571 | 568.45 | 226.35 | 568.45 | 0.643 |
| 35 | B5H11 | TETRAHYDROPENTABORANE | 0.26340 | 0.27400 | 0.28571 | 547.13 | 230.00 | 547.13 | 0.741 |
| 36 | B10H14 | DECABORANE | 0.31796 | 0.30000 | 0.28571 | 791.78 | 372.75 | 429.45 | -- |
| 37 | Ba | BARIUM | 1.11110 | 0.30000 | 0.28571 | 3572.13 | 1000.15 | 1200.15 | -- |
| 38 | **Be** | BERYLLIUM | 0.57566 | 0.30000 | 0.28571 | 5199.80 | 1560.15 | 1760.15 | -- |
| 39 | BeB2H8 | BERYLLIUM BOROHYDRIDE | --- | -- | --- | --· | --- | -- | ·-- |
| **40** | BeBr2 | BERYLLIUM BROMIDE | 1.28962 | 0.30000 | 0.28571 | 1216.86 | 763.15 | 919.72 | --- |
| **41** | BeCl2 | BERYLLIUM CHLORIDE | 0.57918 | 0.30000 | 0.28571 | 1238.03 | 678.15 | 800.00 | -- |
| **42** | BeF2 | BERYLLIUM FLUORIDE | --- | -- | --- | -- | --- | --- | -- |
| 43 | Bel2 | BERYLLIUM IODIDE | 1.59610 | 0.30000 | 0.28571 | 1238.03 | 761.15 | 920.44 | -- |
| **44** | Bi | BISMUTH | 1.75617 | 0.16368 | 0.28571 | 4620.00 | 544.15 | 1235.15 | -- |
| 45 | BiBr3 | BISMUTH TRIBROMIDE | 1.61236 | 0.30000 | 0.28571 | 1220.00 | 491.15 | 1100.00 | -- |
| 46 | BiCl3 | BISMUTH TRICHLORIDE | 1.38859 | 0.30000 | 0.28571 | 1178.00 | 503.15 | 1100.00 | -- |
| 47 | BrF5 | BROMINE PENTAFLUORIDE | 0.93371 | 0.27400 | 0.28571 | 470.00 | 211.75 | 470.00 | 2.466 |
| **48** | Br2 | BROMINE | 1.18377 | 0.29527 | 0.32950 | 584.15 | 265.85 | 584.15 | 3.104 |
| 49 | C | CARBON | 0.31475 | 0.10000 | 0.28571 | 6810.00 | 4765.00 | 4965.00 | ---- |
| 50 | CCl2O | PHOSGENE | 0.51316 | 0.27119 | 0.27201 | 455.00 | 145.37 | 455.00 | 1.363 |
| 51 | CF2O | CARBONYL FLUORIDE | 0.46780 | 0.32913 | 0.28570 | 297.00 | 161.89 | 297.00 | ---- |
| 52 | CH4N2O | UREA | 0.56982 | 0.33700 | 0.28571 | 705.00 | 405.85 | 505.85 | ··- |
| 53 | CH4N2S | THIOUREA | 0.30743 | 0.28700 | 0.28571 | 854.00 | 454.15 | 854.00 | ---- |
| **54** | CNBr | CYANOGEN BROMIDE | 0.73999 | 0.30000 | 0.28571 | 545.03 | 331.15 | 332.90 | ----- |
| 55 | CNCI | CYANOGEN CHLORIDE | 0.37713 | 0.22974 | 0.23860 | 449.00 | 266.65 | 449.00 | 1.172 |
| 56 | CNF | CYANOGEN FLUORIDE | 0.51072 | 0.27400 | 0.28571 | 368.51 | 200.00 | 368.51 | 1.144 |
| 57 | co | CARBON MONOXIDE | **0.29818** | 0.27655 | 0.29053 | 132.92 | 68.15 | 132.92 | -·- |
| 58 | cos | CARBONYL SULFIDE | 0.44482 | 0.28943 | 0.27140 | 378.80 | 134.30 | 378.80 | 1.005 |
| 59 | cose | CARBON OXYSELENIDE | 0.71258 | 0.27400 | 0.28571 | 406.58 | 200.00 | 406.58 | 1.731 |
| 60 | CO2 | CARBON DIOXIDE | 0.46382 | 0.26160 | 0.29030 | 304.19 | 216.58 | 304.19 | 0.713 |
| 61 | CS2 | CARBON DISULFIDE | 0.47589 | 0.28749 | 0.32260 | 552.00 | 161.11 | 552.00 | 1.256 |
| 62 | CSeS | CARBON SELENOSULFIDE | 0.69071 | 0.27400 | 0.28571 | 576.53 | 197.95 | 576.53 | 1.977 |
| 63 | **C2N2** | CYANOGEN | 0.36145 | 0.27400 | 0.28571 | 399.90 | 238.75 | 399.90 | 0.868 |
| **64** | C3S2 | CARBON SUBSULFIDE | -- | -- | -- | --- | -- | --- | --  -- |
| **65** | **Ca** | CALCIUM | 0.46831 | 0.30000 | 0.28571 | 3292.23 | 1115.15 | 1315.15 | -- |
| **66** | **CaF2** | CALCIUM FLUORIDE | 0.33727 | 0.10000 | 0.28571 | 4570.85 | 1691.00 | 3000.00 |  |
| 67 | CbF5 | COLUMBIUM FLUORIDE | 1.09002 | 0.30000 | 0.28571 | 811.32 | 348.65 | 423.40 | ---  -- |
| **68** | Cd | **CADMIUM** | 3.72607 | 0.43396 | 0.28571 | 2291.00 | 594.05 | 873.15 |  |
| 69 | CdCl2 | CADMIUM CHLORIDE | 1.20842 | 0.30000 | 0.28571 | 2019.79 | **841.15** | 1200.00 | -- |
| 70 | CdF2 | CADMIUM FLUORIDE | 2.01691 | 0.30000 | 0.28571 | 3296.66 | 793.15 | 993.15 | --  -- |
| 71 | Cdl2 | CADMIUM IODIDE | **1.54369** | 0.30000 | 0.28571 | 1741.29 | 658.15 | 1100.00 |  |
| 72 | CdO | CADMIUM OXIDE | 2.20048 | 0.30000 | 0.28571 | 2983.96 | 1000.00 | 1200.00 | --- |
| 73 | CIF | CHLORINE MONOFLUORIDE | 0.60386 | 0.27400 | 0.28571 | 282.32 | 128.15 | **282.32** | -- |
| 74 | CIFO3 | PERCHLORYL FLUORIDE | 0.63654 | 0.27200 | 0.29870 | 368.40 | 125.41 | 368.40 | 1.408 |
| 75 | CIF3 | CHLORINE TRIFLUORIDE | 0.68343 | 0.27400 | 0.28571 | 459.39 | 190.15 | 459.39 | 1.785 |
| 76 | CIF5 | CHLORINE PENTAFLUORIDE | 0.85421 | 0.35050 | 0.28571 | 415.90 | 190.00 | 415.90 | 1.774 |
| 77 | CIHO3S | CHLOROSULFONIC ACID | 0.59672 | 0.28520 | 0.28571 | 700.00 | 193.15 | 700.00 | 1.741 |
| **78** | CIH04 | PERCHLORIC ACID | 0.59920 | 0.26092 | 0.34521 | 631.00 | 171.95 | 631.00 | 1.760 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density** = **A B** · <1• T/Tct•n **(density** • **g/ml, T** • **K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density** @ **25 c** |
| 79 | ClO2 | CHLORINE DIOXIDE | 0.60087 | 0.27400 | 0.28571 | 465.00 | 213.55 | 465.00 | 1.579 |
| 80 | Cl2 | CHLORINE | 0.56600 | 0.27315 | 0.28830 | 417.15 | 172.12 | 417.15 | 1.398 |
| 81 | Cl2O | CHLORINE MONOXIDE | 0.60356 | 0.27400 | 0.28571 | 444.68 | 157.15 | **444.68** | **1.549** |
| **82** | Cl2O7 | CHLORINE HEPTOXIDE | 0.65031 | 0.27400 | 0.28571 | 565.78 | 182.15 | 565.78 | 1.850 |
| 83 | Co | COBALT | **2.51864** | 0.30000 | **0.28571** | 7398.48 | 1768.15 | 1968.15 | -- |
| 84 | CoCl2 | COBALT CHLORIDE | 1.05823 | 0.30000 | 0.28571 | 2154.97 | 1008.15 | 1208.15 | -- |
| 85 | CoNC304 | COBALT NITROSYL TRICARBONYL | -- | -- | -- | -- | -- | -- | -- |
| 86 | Cr | CHROMIUM | 2.13536 | 0.30000 | 0.28571 | 8560.93 | 2180.15 | 2380.15 | -- |
| 87 | CrC606 | CHROMIUM CARBONYL | 0.63518 | 0.30000 | 0.28571 | 690.80 | 423.65 | 690.80 | -- |
| 88 | Cr02Cl2 | CHROMIUM OXYCHLORIDE | 0.64832 | 0.27400 | 0.28571 | 626.33 | 176.65 | 626.33 | 1.902 |
| 89 | Cs | CESIUM | 0.28361 | 0.14024 | 0.28571 | 2048.10 | 301.65 | 2030.00 | -- |
| 90 | CsBr | CESIUM BROMIDE | 1.05781 | 0.30000 | 0.28571 | 2562.13 | 909.15 | 1500.00 | -- |
| 91 | CsCI | CESIUM CHLORIDE | 0.93727 | 0.30000 | 0.28571 | 2562.13 | 919.15 | 1500.00 | -- |
| 92 | CsF | CESIUM FLUORIDE | 1.26025 | 0.30000 | 0.28571 | 2482.33 | 976.00 | 1500.00 | -- |
| 93 | Csl | CESIUM IODIDE | 1.07356 | 0.30000 | 0.28571 | 2529.56 | 894.15 | 1500.00 | -- |
| 94 | Cu | COPPER | 2.63621 | 0.30000 | 0.28571 | 5123.00 | 1357.77 | 1557.77 | -- |
| 95 | CuBr | CUPROUS BROMIDE | 1.48318 | 0.30000 | 0.28571 | 2651.71 | 777.15 | 977.15 | -- |
| 96 | CuCI | CUPROUS CHLORIDE | 1.94545 | 0.45137 | 0.56812 | 2435.00 | 703.00 | 1763.10 | -- |
| 97 | CuCl2 | CUPRIC CHLORIDE | 1.08795 | 0.30000 | 0.28571 | 2010.00 | 906.15 | 1106.15 | -- |
| 98 | Cul | COPPER IODIDE | 1.70575 | 0.30000 | 0.28571 | 2620.77 | 878.15 | 1078.15 | -- |
| 99 | DCN | DEUTERIUM CYANIDE | --- | -- | --- | --- | -- | -- | -- |
| 100 | D2 | DEUTERIUM | 0.06671 | 0.31500 | 0.28571 | 38.35 | 18.73 | 38.35 | -- |
| 101 | D2O | DEUTERIUM OXIDE | 0.35429 | 0.28000 | 0.20000 | 643.89 | 276.96 | 643.89 | 1.090 |
| 102 | Eu | EUROPIUM | 1.57191 | 0.30000 | 0.28571 | 5150.00 | 1095.15 | 1295.15 | --  -- |
| 103 | F2 | FLUORINE | 0.57092 | 0.28518 | 0.29000 | 144.31 | 53.48 | 144.31 |  |
| 104 | F2O | FLUORINE OXIDE | 0.55240 | 0.27016 | 0.28571 | 215.10 | 49.25 | 215.10 | -- |
| 105 | Fe | IRON | 0.57093 | 0.07000 | 0.28571 | 9340.00 | 1808.10 | 2500.00 | -- |
| 106 | FeC5O5 | IRON PENTACARBONYL | 0.49908 | 0.27400 | 0.28571 | 607.20 | 252.15 | 607.20 | 1.451 |
| 107 | FeCl2 | FERROUS CHLORIDE | 1.02146 | 0.30000 | 0.28571 | 2115.88 | 945.15 | 1145.15 | -- |
| 108 | FeCl3 | FERRIC CHLORIDE | 1.02395 | 0.30000 | 0.28571 | 964.41 | 577.15 | 584.65 | -- |
| 109 | Fr | FRANCIUM | -- | -- | -- | -- | -- | -- | -- |
| 110 | Ga | GALLIUM | 0.47740 | 0.07625 | 0.28571 | 7620.00 | 302.91 | 1373.15 | -- |
| 111 | GaCl3 | GALLIUM TRICHLORIDE | 0.66952 | 0.25063 | 0.29982 | 694.00 | 350.90 | 694.00 | -- |
| 112 | Gd | GADOLINIUM | 2.68561 | 0.30000 | 0.28571 | 3307.66 | 1587.15 | 1678.58 | -- |
| 113 | Ge | GERMANIUM | 1.73560 | 0.30000 | 0.28571 | 8400.00 | 1211.40 | 1411.40 | -- |
| 114 | GeBr4 | GERMANIUM BROMIDE | 1.02768 | 0.27400 | 0.28571 | 740.00 | 299.25 | 380.70 | -- |
| 115 | GeCl4 | GERMANIUM CHLORIDE | 0.64888 | 0.27400 | 0.28571 | 574.00 | 223.65 | 574.00 | **1.854** |
| 116 | GeHCl3 | TRICHLORO GERMANE | 0.67714 | 0.27400 | 0.28571 | 559.78 | 202.05 | 559.78 | 1.919 |
| 117 | GeH4 | GERMANE | 0.54904 | 0.30254 | 0.28571 | 308.00 | 107.26 | 308.00 | 0.859 |
| 118 | Ge2H6 | DIGERMANE | 0.63111 | 0.27400 | 0.28571 | 491.01 | 164.15 | 491.01 | 1.701 |
| 119 | Ge3H8 | TRIGERMANE | 0.75692 | 0.27400 | 0.28571 | 616.37 | 167.55 | 616.37 | 2.211 |
| 120 | HBr | HYDROGEN BROMIDE | 0.80283 | 0.28545 | 0.28571 | 363.15 | 185.15 | 363.15 | 1.728 |
| 121 | HCN | HYDROGEN CYANIDE | 0.19501 | 0.18589 | 0.28206 | 456.65 | 259.83 | 456.65 | 0.680 |
| 122 | HCI | HYDROGEN CHLORIDE | 0.44134 | 0.26957 | 0.31870 | 324.65 | 158.97 | 324.65 | 0.796 |
| 123 | HF | HYDROGEN FLUORIDE | 0.29041 | 0.17660 | 0.37330 | 461.15 | 189.79 | 461.15 | 0.941 |
| 124 | HI | HYDROGEN IODIDE | 1.04638 | 0.28826 | 0.28571 | 423.85 | 222.38 | 423.85 | 2.520 |
| 125 | HNO3 | NITRIC ACID | 0.43471 | 0.23110 | 0.19170 | 520.00 | 231.55 | 373.15 | 1.509 |
| 126 | H2 | HYDROGEN | 0.03125 | 0.34730 | 0.27560 | 33.18 | 13.95 | 33.18 | -- |
| 127 | H2O | WATER | 0.34710 | 0.27400 | 0.28571 | 647.13 | 273.16 | 647.13 | 1.027 |
| 128 | H2O2 | HYDROGEN PEROXIDE | 0.43776 | 0.24982 | 0.28770 | 730.15 | 272.74 | 730.15 | 1.443 |
| 129 | H2S | HYDROGEN SULFIDE | 0.34832 | 0.28160 | 0.28570 | 373.53 | 187.68 | 373.53 | 0.777 |
| 130 | H2S04 | SULFURIC ACID | 0.42169 | 0.19356 | 0.28570 | 925.00 | 283.46 | 363.49 | 1.833 |
| 131 | H2S2 | HYDROGEN DISULFIDE | 0.47306 | 0.27400 | 0.28571 | 542.39 | 183.45 | 542.39 | 1.326 |
| 132 | H2Se | HYDROGEN SELENIDE | 0.72147 | 0.27400 | 0.28571 | 411.10 | 209.15 | 411.10 | 1.766 |
| 133 | H2Te | HYDROGEN TELLURIDE | 0.93431 | 0.27400 | 0.28571 | 438.04 | 224.15 | 438.04 | 2.378 |
| 134 | H3NO3S | SULFAMIC ACID | -- | -- | -- | -- | -- | -- | -- |
| 135 | He | HELIUM-3 | 0.04141 | 0.46660 | 0.22300 | 3.31 | 1.01 | 3.31 | -- |
| 136 | He | HELIUM-4 | 0.06930 | 0.41860 | 0.24100 | 5.20 | 1.76 | 5.20 | -- |
| 137 | Hf | HAFNIUM | 3.75257 | 0.30000 | 0.28571 | 21687.96 | 2506.15 | 2706.15 | -- |
| 138 | Hg | MERCURY | 3.56411 | 0.25360 | 0.16155 | 1735.00 | 234.31 | 1735.00 | 13.487  -- |
| 139 | HgBr2 | MERCURIC BROMIDE | 1.93930 | 0.30000 | 0.28571 | 964.41 | 510.15 | 800.00 |  |
| 140 | HgCl2 | MERCURIC CHLORIDE | 1.71179 | 0.30000 | 0.28571 | 939.98 | 550.15 | 800.00 | --  -- |
| 141 | Hgl2 | MERCURIC IODIDE | 1.93098 | 0.30000 | 0.28571 | 1078.10 | 532.15 | 750.00 |  |
| 142 | IF7 | IODINE HEPTAFLUORIDE | 1.05176 | 0.27400 | 0.28571 | 447.53 | 278.65 | 447.53 | 2.709 |
| 143 | 12 | IODINE | 1.63746 | 0.33313 | 0.33550 | 819.15 | 386.75 | 819.15 | -- |
| 144 | In | INDIUM | 0.55791 | 0.07561 | 0.28571 | 6730.00 | 429.75 | 573.15 | -- |
| 145 | Ir | IRIDIUM | 6.41388 | 0.30000 | 0.28571 | 15035.00 | 2719.15 | 2919.15 | -- |
| 146 | K | POTASSIUM | 0.18362 | 0.21625 | 0.28571 | 2223.00 | 336.35 | 2220.00 | --  -- |
| 147 | KBr | POTASSIUM BROMIDE | 0.72724 | 0.30000 | 0.28571 | 2697.31 | 1003.15 | 1500.00 |  |
| 148 | KCI | POTASSIUM CHLORIDE | 0.09536 | 0.04278 | 0.35520 | 3470.00 | 1044.00 | 3000.00 | -- |
| 149 | KF | POTASSIUM FLUORIDE | 0.66025 | 0.30000 | 0.28571 | 2891.12 | 1153.15 | 1500.00 | -- |
| 150 | Kl | POTASSIUM IODIDE | 0.82666 | 0.30000 | 0.28571 | 2601.22 | 996.15 | 1500.00 | -- |
| 151 | KOH | POTASSIUM HYDROXIDE | 0.30810 | 0.15400 | 0.28571 | 2605.86 | 679.00 | 1500.00 | -- |
| 152 | Kr | KRYPTON | 0.91799 | 0.28840 | 0.29390 | 209.35 | 115.78 | 209.35 | -- |
| 153 | La | LANTHANUM | 1.50549 | 0.25204 | 0.28571 | 9511.00 | 1193.15 | 1393.15 | --  -- |
| 154 | Li | LITHIUM | 0.03337 | 0.05618 | 0.28571 | 4085.00 | 453.69 | 3670.00 |  |
| 155 | LiBr | LITHIUM BROMIDE | 0.85546 | 0.30000 | 0.28571 | 2578.42 | 820.15 | 1500.00 | -- |
| 156 | LiCI | LITHIUM CHLORIDE | 0.50679 | 0.30000 | 0.28571 | 2695.68 | 887.15 | 1500.00 | -- |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **density** = **A B** ·< 1• T/Tc)•n **(density** • g/ml, T • **K)** | | | | | | | | | |
| **NO** | **FORMULA** | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density** @ 25 C |
| 157 | LiF | LITHIUM FLUORIDE | 0.62331 | 0.30000 | 0.28571 | 3182.65 | 1143.15 | 1700.00 | --  -- |
| 158 | Lil | LITHIUM IODIDE | 1.04484 | 0.30000 | 0.28571 | 2352.04 | 719.15 | 1600.00 |  |
| 159 | Lu | LUTECIUM | 3.32517 | 0.30000 | 0.28571 | 4128.66 | 1936.15 | 2136.15 | --  -- |
| 160 | **Mg** | MAGNESIUM | 0.07780 | 0.03010 | 0.28571 | 2241.04 | 923.15 | 1023.15 |  |
| 161 | MgCl2 | MAGNESIUM CHLORIDE | 0.58060 | 0.30000 | 0.28571 | 2754.32 | 985.15 | 1600.00 | -- |
| 162 | **MgO** | MAGNESIUM OXIDE | 0.19187 | 0.01440 | 0.28571 | 5950.00 | 3105.00 | 5950.00 | -- |
| 163 | **Mn** | MANGANESE | 2.09497 | 0.30000 | 0.28571 | 6902.82 | 1519.15 | 1719.15 | -- |
| 164 | MnCl2 | MANGANESE CHLORIDE | 0.90334 | 0.30000 | 0.28571 | 2382.98 | 923.15 | 1123.15 | -- |
| 165 | **Mo** | MOLYBDENUM | 3.14663 | 0.30000 | 0.28571 | 9620.00 | 2895.15 | 3095.15 | -- |
| 166 | MoF6 | MOLYBDENUM FLUORIDE | 0.93061 | 0.27400 | 0.28571 | **498.12** | 290.15 | 498.12 | 2.523 |
| 167 | MoO3 | MOLYBDENUM OXIDE | 1.56112 | 0.30000 | 0.28571 | 2319.46 | 1068.15 | 1268.15 | -- |
| 168 | NCl3 | NITROGEN TRICHLORIDE | 0.57737 | 0.27400 | 0.28571 | 564.00 | 293.00 | 564.00 | 1.641 |
| 169 | ND3 | HEAVY AMMONIA | --. | -- | -- | --- | -- | -- | ---- |
| 170 | NF3 | NITROGEN TRIFLUORIDE | 0.59810 | 0.28230 | 0.29140 | 233.85 | 66.36 | 233.85 | -- |
| 171 | NH3 | **AMMONIA** | 0.23689 | 0.25471 | 0.28870 | 405.65 | 195.41 | 405.65 | 0.602 |
| 172 | NH3O | HYDROXYLAMINE | 0.42502 | 0.27400 | 0.28571 | 574.00 | 306.15 | 574.00 | ---- |
| 173 | NH4Br | **AMMONIUM** BROMIDE | 0.98286 | 0.30000 | 0.28571 | 1089.82 | 800.00 | 1000.00 | ----- |
| 174 | NH4CI | **AMMONIUM** CHLORIDE | 0.75456 | 0.30000 | 0.28571 | 882.00 | 793.20 | 883.20 | ----- |
| 175 | NH4I | **AMMONIUM** IODIDE | 1.00871 | 0.30000 | 0.28571 | 1104.32 | 800.00 | 1000.00 | --- |
| 176 | NH5O | **AMMONIUM** HYDROXIDE | -- | -- | --- | ---- | -- | --- | --- ·- |
| 177 | NH5S | AMMONIUM HYDROGENSULFIDE | 0.49634 | 0.30000 | 0.28571 | 499.10 | 391.15 | 455.37 | ---- |
| 178 | NO | NITRIC OXIDE | 0.51712 | 0.30440 | 0.24200 | 180.15 | 109.50 | 180.15 | ---- |
| 179 | NOCI | NITROSYL CHLORIDE | **0.46993** | 0.27029 | 0.24883 | 440.65 | 213.55 | 440.65 | 1.262 |
| 180 | NOF | NITROSYL FLUORIDE | 0.49514 | 0.27400 | 0.28571 | 352.67 | 139.15 | 352.67 | 1.058 |
| 181 | NO2 | NITROGEN DIOXIDE | **0.54240** | 0.27210 | 0.24320 | 431.35 | 293.15 | 431.35 | 1.442 |
| **182** | **N2** | NITROGEN | 0.31205 | **0.28479** | 0.29250 | 126.10 | 63.15 | 126.10 | -- |
| **183** | N2F4 | TETRAFLUOROHYDRAZINE | **0.54042** | 0.27760 | 0.28570 | 309.35 | 111.65 | 309.35 | **0.888** |
| **184** | **N2H4** | HYDRAZINE | **0.20285** | **0.16613** | 0.18980 | 653.15 | 274.68 | 653.15 | 1.004 |
| 185 | **N2H4C** | **AMMONIUM CYANIDE** | -- | -- | -- | -- | -- | -- | -- |
| **186** | **N2H6CO2** | **AMMONIUM CARBAMATE** | -- | -- | -- | -- | -- | -- | -- |
| **187** | **N2O** | NITROUS OXIDE | **0.44927** | **0.27244** | **0.28820** | 309.57 | 182.30 | 309.57 | 0.742 |
| **188** | **N2O3** | NITROGEN TRIOXIDE | **0.39542** | **0.18000** | **0.28571** | 425.00 | 263.15 | 425.00 | 1.331 |
| **189** | **N204** | NITROGEN TETRAOXIDE | **0.50649** | 0.23319 | 0.28571 | 431.15 | 261.90 | 431.15 | 1.434  -- |
| 190 | N2O5 | NITROGEN PENTOXIDE | **0.55485** | 0.27400 | **0.28571** | 515.51 | 303.15 | 311.65 |  |
| 191 | **Na** | SODIUM | 0.10896 | 0.10222 | **0.28571** | 2573.00 | 370.98 | 2500.00 | -- |
| 192 | NaBr | SODIUM BROMIDE | **0.25856** | 0.07850 | 0.52911 | 4287.00 | 1020.00 | 2500.00 | -- |
| 193 | **NaCN** | SODIUM CYANIDE | 0.17117 | 0.11000 | 0.28571 | 2900.00 | 973.15 | 1173.15 | -- |
| 194 | NaCl | SODIUM CHLORIDE | 0.22127 | 0.10591 | 0.37527 | 3400.00 | 1073.90 | 3400.00 | ---  -- |
| 195 | NaF | SODIUM FLUORIDE | 0.22682 | 0.07797 | 0.65700 | 5530.00 | 1269.00 | 2500.00 |  |
| 196 | Nal | SODIUM IODIDE | 0.93198 | 0.30000 | 0.28571 | 2568.65 | 924.15 | 1600.00 | --- |
| 197 | NaOH | SODIUM HYDROXIDE | 0.19975 | 0.09793 | **0.25382** | 2820.00 | 596.00 | 2000.00 | ---- |
| 198 | **Na2S04** | SODIUM SULFATE | 0.26141 | 0.10000 | 0.28571 | 3700.00 | 1157.00 | 2000.00 | ----- |
| 199 | **Nb** | **NIOBIUM** | 2.48435 | 0.30000 | 0.28571 | 17904.10 | 2750.15 | 2950.15 | -- |
| 200 | **Nd** | NEODYMIUM | 2.02652 | 0.30000 | 0.28571 | 10665.12 | 1289.15 | 1489.15 | -- |
| 201 | **Ne** | NEON | 0.48504 | 0.30670 | 0.27860 | 44.40 | 24.56 | 44.40 | ---- |
| 202 | **Ni** | NICKEL | 2.56376 | 0.30000 | 0.28571 | 6986.15 | 1728.15 | 1928.15 | --- |
| 203 | **NiC404** | NICKEL CARBONYL | 0.47753 | 0.27400 | 0.28571 | 508.40 | 248.15 | 508.40 | 1.306  -- |
| 204 | NiF2 | NICKEL FLUORIDE | 1.52939 | 0.30000 | 0.28571 | 3278.75 | 1723.15 | 1923.15 |  |
| 205 | **Np** | NEPTUNIUM | -- | -- | -- | -- | --- | -- | ---- |
| 206 | 02 | OXYGEN | 0.43533 | 0.28772 | 0.29240 | 154.58 | **54.35** | 154.58 | -- |
| 207 | 03 | OZONE | 0.53965 | 0.29820 | 0.28800 | 261.00 | 80.15 | 261.00 |  |
| 208 | **Os** | OSMIUM | 6.48474 | 0.30000 | 0.28571 | 16878.68 | 3306.15 | 3506.15 | -- |
| 209 | OsOF5 | OSMIUM OXIDE PENTAFLUORIDE | -- | -- | -- | -- | -- | -- | -- |
| 210 | **Os04** | OSMIUM TETROXIDE - YELLOW | 1.62701 | 0.30000 | 0.28571 | 656.60 | 329.15 | 366.15 | -- |
| 211 | **Os04** | OSMIUM TETROXIDE - WHITE | **1.60780** | 0.30000 | 0.28571 | 656.60 | 315.15 | 359.15 | -- |
| **212** | **p** | PHOSPHORUS - WHITE | 1.02120 | 0.50058 | 0.66360 | 993.75 | 317.55 | 553.15 | -- |
| 213 | **PBr3** | PHOSPHORUS TRIBROMIDE | **0.93428** | 0.27400  -- | 0.28571 | 711.00 | 233.15 | 711.00 | 2.830 |
| **214** | PCl2F3 | PHOSPHORUS DICHLORIDE TRIFLUORIDE | -- |  | -- | -- | -- | -- | -- |
| **215** | PCl3 | PHOSPHORUS TRICHLORIDE | 0.52825 | 0.25681 | 0.29690 | 563.15 | 200.00 | 349.25 | 1.566 |
| 216 | PCl5 | PHOSPHORUS PENTACHLORIDE | 1.38262 | 0.30000 | 0.28571 | 646.15 | 433.15 | 504.20 | -- |
| 217 | PH3 | PHOSPHINE | 0.30000 | **0.28918** | **0.36923** | 324.75 | 139.37 | 324.75 | 0.491 |
| **218** | PH4Br | PHOSPHONIUM BROMIDE | -- | -- | -- | -- | -- | -- | -- |
| 219 | PH4CI | PHOSPHONIUM CHLORIDE | -- | -- | -- | -- | -- | -- | -- |
| 220 | PH4I | PHOSPHONIUM IODIDE | 1.01597 | 0.27400 | 0.28571 | 539.70 | 291.65 | 539.70 | 2.843 |
| **221** | POCl3 | PHOSPHORUS OXYCHLORIDE | 0.76181 | 0.35086 | 0.42595 | 602.15 | 274.33 | 378.65 | 1.667 |
| **222** | PSBr3 | PHOSPHORUS THIOBROMIDE | 0.94173 | 0.30000 | 0.28571 | 729.89 | 311.15 | 379.65 | -- |
| **223** | PSCl3 | PHOSPHORUS THIOCHLORIDE | **0.55688** | 0.27400 | 0.28571 | **638.82** | 242.75 | 371.65 | 1.643 |
| **224** | **P406** | PHOSPHORUS TRIOXIDE | 0.70154 | 0.27400 | 0.28571 | 714.86  -- | 295.65 | 714.86 | 2.128 |
| **225** | P4O10 | PHOSPHORUS PENTOXIDE | -- | -- | -- |  | -- | -- | --- |
| **226** | **P4S10** | PHOSPHORUS PENTASULFIDE | 0.63096 | 0.30000 | 0.28571 | 1291.00 | 596.15 | 1291.00 | ---- |
| **227** | **Pb** | LEAD | 1.72203 | **0.15282** | **0.28571** | 5400.00 | 600.64 | 1273.15 | --  -- |
| **228** | PbBr2 | LEAD BROMIDE | 1.92627 | 0.30000 | 0.28571 | 1933.47 | 646.15 | 1500.00 |  |
| 229 | PbCl2 | LEAD CHLORIDE | **1.72887** | 0.30000 | 0.28571 | **1998.62** | 774.15 | 1500.00 | ---- |
| **230** | PbF2 | LEAD FLUORIDE | 2.79825 | 0.30000 | 0.28571 | 2550.73 | 1128.15 | 1328.15 |  |
| 231 | Pbl2 | LEAD IODIDE | 2.01004 | 0.30000 | 0.28571 | 1865.07 | 675.15 | 875.15 | -- |
| 232 | PbO | LEAD OXIDE | **3.18209** | 0.30000 | 0.28571 | 2842.26 | 1163.15 | 1363.15 | -- |
| **233** | PbS | LEAD SULFIDE | 2.70282 | 0.30000 | 0.28571 | 2531.19 | 1387.15 | 1470.65 | -- |
| **234** | Pd | PALLADIUM | 3.31600 | 0.30000 | 0.28571 | 10669.07 | **1828.05** | 2028.05 | -- |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| density = **A B** ·11• mwn **(density** - g/ml, T - **K)** | | | | | | | | | |
| NO | FORMULA | **NAME** | **A** | **B** | n | Tc | **TMIN** | **TMAX** | **density** @ 25 C  -- |
| 235 | Po | POLONIUM | 2.76115 | 0.30000 | 0.28571 | 3013.08 | 527.15 | 727.15 |  |
| 236 | Pt | PLATINUM | 6.65186 | 0.30000 | 0.28571 | 6983.00 | 2041.55 | 2241.55 | --  -- |
| 237 | Ra | RADIUM | 1.49145 | 0.30000 | 0.28571 | 4862.82 | 973.15 | 1173.15 | -- |
| 238 | Rb | RUBIDIUM | 0.20818 | 0.09847 | 0.28571 | 2111.10 | 312.46 | 2030.00 |  |
| 239 | RbBr | RUBIDIUM BROMIDE | 0.91773 | 0.30000 | 0.28571 | **2646.82** | 955.15 | 1800.00 | -- |
| 240 | RbCI | RUBIDIUM CHLORIDE | 0.76254 | 0.30000 | 0.28571 | 2694.06 | 988.15 | 1800.00 | -- |
| 241 | RbF | RUBIDIUM FLUORIDE | 1.19655 | 0.30000 | 0.28571 | 2738.03 | 1033.15 | 1233.15 | --  -- |
| 242 | Rbl | RUBIDIUM IODIDE | 0.97769 | 0.30000 | 0.28571 | 2568.65 | 915.15 | 1800.00 |  |
| 243 | Re | RHENIUM | 6.01402 | 0.30000 | 0.28571 | 21482.82 | 3459.15 | 3659.15 | --  -- |
| 244 | Re2O7 | RHENIUM HEPTOXIDE | 2.10435 | 0.30000 | 0.28571 | 1035.10 | 569.15 | 602.35 | -- |
| 245 | Rh | RHODIUM | 3.40525 | 0.30000 | 0.28571 | 12906.61 | 2237.15 | 2437.15 |  |
| 246 | Rn | RADON | 1.58779 | 0.28111 | 0.28571 | 377.40 | 202.15 | 377.40 | 3.578  -- |
| 247 | Ru | RUTHENIUM | 3.48198 | 0.30000 | 0.28571 | 15247.14 | 2607.15 | 2807.15 | -- |
| 248 | RuF5 | RUTHENIUM PENTAFLUORIDE | 0.90813 | 0.30000 | 0.28571 | 977.44 | 359.65 | 559.65 |  |
| 249 | s | SULFUR | 0.20468 | 0.10440 | 0.11400 | 1313.00 | 388.36 | 1313.00 | -- |
| 250 | SF4 | SULFUR TETRAFLUORIDE | 0.68957 | 0.27400 | 0.28571 | 364.00 | 149.15 | 364.00 | 1.526 |
| 251 | SF6 | SULFUR HEXAFLUORIDE | 0.73472 | 0.27010 | 0.29210 | 318.69 | 223.15 | 318.69 | 1.322 -- |
| 252 | SOBr2 | THIONYL BROMIDE | 0.89295 | 0.27400 | 0.28571 | 661.75 | 220.95 | 661.75 | 2.659 |
| 253 | SOCl2 | THIONYL CHLORIDE | 0.58606 | 0.27659 | 0.30630 | 567.00 | 172.00 | 567.00 | 1.630 |
| 254 | SOF2 | SULFUROUS OXYFLUORIDE | 0.60330 | 0.27400 | 0.28571 | 371.25 | 162.65 | 371.25 | 1.361 |
| 255 | SO2 | SULFUR DIOXIDE | 0.51726 | 0.25514 | 0.28930 | 430.75 | 197.67 | 430.75 | 1.366 |
| 256 | SO2Cl2 | SULFURYL CHLORIDE | 0.60253 | 0.27472 | 0.30830 | 545.00 | 222.00 | 545.00 | 1.658 |
| 257 | SO3 | SULFUR TRIOXIDE | 0.63003 | 0.19602 | 0.41787 | 490.85 | 289.95 | 490.85 | 1.897 |
| 258 | S2Cl2 | SULFUR MONOCHLORIDE | 0.56169 | 0.27400 | 0.28571 | 659.37 | 193.15 | 659.37 | 1.671  -- |
| 259 | Sb | ANTIMONY | 1.69927 | 0.24231 | 0.28571 | 5070.00 | 903.78 | 1243.15 |  |
| 260 | SbBr3 | ANTIMONY TRIBROMIDE | 1.42997 | 0.30000 | 0.28571 | 892.75 | 369.75 | **458.95** | --  -- |
| 261 | SbCl3 | ANTIMONY TRICHLORIDE | 0.77034 | 0.21620 | 0.28570 | 794.00 | 346.55 | 794.00 |  |
| 262 | SbCl5 | ANTIMONY PENTACHLORIDE | 0.78102 | 0.27400 | 0.28571 | 662.54 | 275.95 | 662.54 | 2.326 |
| 263 | SbH3 | STIBINE | 0.90538 | 0.31372 | 0.28571 | 440.35 | 185.15 | 440.35 | 2.096 |
| 264 | Sbl3 | ANTIMONY TRIIODIDE | 1.68384 | 0.30000 | 0.28571 | 1097.96 | 440.15 | 640.15 | --  -- |
| 265 | Sb2O3 | ANTIMONY TRIOXIDE | 1.72636 | 0.30000 | 0.28571 | 2765.72 | 929.15 | 1129.15 |  |
| 266 | Sc | SCANDIUM | 0.90098 | 0.30000 | 0.28571 | 8035.08 | 1814.15 | 2014.15 | --  -- |
| 267 | Se | SELENIUM | 0.75697 | 0.16124 | 0.28571 | 1766.00 | 494.15 | 694.15 |  |
| 268 | SeCl4 | SELENIUM TETRACHLORIDE | 0.76605 | 0.27400 | 0.28571 | 743.95 | 400.00 | 600.00 | -- |
| 269 | SeF6 | SELENIUM HEXAFLUORIDE | 0.85211 | 0.27400 | 0.28571 | **368.80** | **238.45** | 368.80 | 1.911 |
| 270 | SeOCl2 | SELENIUM OXYCHLORIDE | 0.79805 | 0.27400 | 0.28571 | 706.80 | 281.65 | 706.80 | 2.414  -- |
| 271 | SeO2 | SELENIUM DIOXIDE | 1.33585 | 0.30000 | 0.28571 | 961.16 | 613.15 | 736.82 |  |
| 272 | Si | SILICON | 0.84021 | 0.29172 | 0.28571 | 5159.00 | 1685.00 | **1885.00** | -- |
| 273 | SiBrCl2F | BROMODICHLOROFLUOROSILANE | 0.66872 | 0.27400 | 0.28571 | 497.17 | 160.85 | 497.17 | 1.812 |
| 274 | SiBrF3 | TRIFLUOROBROMOSILANE | 0.72447 | 0.27400 | 0.28571 | 375.28 | 202.65 | 375.28 | 1.651 |
| 275 | SiBr2CIF | DIBROMOCHLOROFLUOROSILANE | 0.81945 | 0.27400 | 0.28571 | 535.27 | 173.85 | 535.27 | 2.286 |
| 276 | SiCIF3 | TRIFLUOROCHLOROSILANE | 0.56426 | 0.27400 | 0.28571 | 330.54 | 131.15 | 330.54 | 1.099 |
| 277 | SiCl2F2 | DICHLORODIFLUOROSILANE | 0.55307 | 0.27400 | 0.28571 | 390.93 | 133.45 | 390.93 | 1.305 |
| 278 | SiCl3F | TRICHLOROFLUOROSILANE | 0.54467 | 0.27400 | 0.28571 | 460.49 | 152.35 | 460.49 | 1.424 |
| 279 | SiCl4 | SILICON TETRACHLORIDE | 0.52116 | 0.26416 | 0.28150 | 507.00 | 204.30 | 507.00 | 1.470  -- |
| 280 | SiF4 | SILICON TETRAFLUORIDE | 0.67478 | 0.28495 | 0.28571 | 259.00 | 186.35 | 259.00 |  |
| 281 | SiHBr3 | TRIBROMOSILANE | 1.05904 | 0.32450 | 0.28571 | 610.00 | 199.65 | 610.00 | 2.682 |
| 282 | SiHCl3 | TRICHLOROSILANE | 0.50539 | 0.25740 | 0.34900 | 479.00 | 144.95 | 479.00 | 1.328  -- |
| 283 | SiHF3 | TRIFLUOROSILANE | 0.51882 | 0.27400 | 0.28571 | 291.02 | 141.75 | 291.02 |  |
| 284 | SiH2Br2 | DIBROMOSILANE | 0.77365 | 0.28512 | 0.28571 | 550.00 | 202.95 | 550.00 | 2.111 |
| 285 | SiH2Cl2 | DICHLOROSILANE | 0.44591 | 0.26888 | 0.28570 | 449.00 | 151.15 | 449.00 | 1.167 |
| 286 | SiH2F2 | DIFLUOROSILANE | 0.44709 | 0.27400 | 0.28571 | 318.21 | 150.00 | **318.21** | 0.805 |
| 287 | SiH212 | DIIODOSILANE | 0.97501 | 0.28278 | 0.28571 | 660.00 | 272.15 | 660.00 | 2.825 |
| 288 | SiH3Br | MONOBROMOSILANE | 0.55308 | 0.26469 | 0.28571 | 454.00 | 179.25 | 454.00 | 1.473 |
| 289 | SiH3CI | MONOCHLOROSILANE | 0.35290 | 0.25554 | 0.28571 | 396.65 | 155.05 | 396.65 | 0.882 |
| 290 | SiH3F | MONOFLUOROSILANE | 0.36018 | 0.27400 | 0.28571 | 286.28 | 150.00 | **286.28** | -- |
| 291 | SiH31 | IODOSILANE | 0.70808 | 0.25939 | 0.28571 | 515.00 | 216.15 | 515.00 | 2.031  -- |
| 292 | SiH4 | SILANE | 0.24205 | 0.28405 | 0.39578 | 269.70 | **88.48** | 269.70 | -- |
| 293 | SiO2 | SILICON DIOXIDE | 0.33537 | 0.10000 | 0.28571 | 4076.87 | 2000.00 | 2200.00 |  |
| 294 | Si2Cl6 | HEXACHLORODISILANE | 0.51982 | 0.27400 | 0.28571 | 660.96 | 271.95 | 660.96 | 1.547 |
| 295 | Si2F6 | HEXAFLUORODISILANE | **0.54778** | 0.27400 | 0.28571 | 411.33 | 254.55 | 411.33 | 1.341 |
| 296 | Si2H5CI | DISILANYL CHLORIDE | 0.34804 | 0.27400 | 0.28571 | 506.89 | 250.00 | 506.89 | 0.951 |
| 297 | Si2H6 | DISILANE | 0.31422 | 0.27551 | 0.29510 | 432.00 | 143.85 | 432.00 | 0.782 |
| 298 | Si2OCl3F3 | TRICHLOROTRIFLUORODISILOXANE | 0.54394 | 0.27400 | 0.28571 | **508.78** | 150.00 | **508.78** | **1.488** |
| 299 | Si2OCl6 | HEXACHLORODISILOXANE | 0.53229 | 0.27400 | 0.28571 | 655.58 | 239.95 | **655.58** | 1.581 |
| 300 | Si2OH6 | DISILOXANE | 0.31264 | 0.27400 | 0.28571 | 416.86 | 128.95 | **416.86** | 0.772 |
| 301 | Si3Cl8 | OCTACHLOROTRISILANE | 0.51452 | 0.27400 | 0.28571 | 775.41 | 250.00 | 775.41 | 1.588 |
| 302 | Si3H8 | TRISILANE | 0.26010 | 0.27400 | 0.28571 | 525.15 | 155.95 | 525.15 | 0.720 |
| 303 | Si3H9N | TRISILAZANE | 0.31120 | 0.27400 | 0.28571 | 518.20 | 167.45 | 518.20 | 0.858 |
| 304 | Si4H10 | TETRASILANE | 0.26613 | 0.27400 | 0.28571 | 599.30 | 179.55 | 599.30 | 0.771  -- |
| 305 | Sm | SAMARIUM | 2.30412 | 0.30000 | 0.28571 | 5082.92 | 1345.15 | 1545.15 | -- |
| 306 | Sn | TIN | 0.68914 | 0.09454 | 0.28571 | 7400.00 | 505.08 | 977.15 |  |
| 307 | SnBr4 | STANNIC BROMIDE | 1.09276 | 0.27400 | 0.28571 | 764.82 | 304.15 | 391.00 | --  -- |
| 308 | SnCl2 | STANNOUS CHLORIDE | 1.15953 | 0.30000 | 0.28571 | 1459.53 | 519.95 | 1200.00 |  |
| 309 | SnCl4 | STANNIC CHLORIDE | 0.75734 | 0.27400 | 0.28571 | 619.85 | **242.95** | **619.85** | 2.215 |
| 310 | SnH4 | STANNIC HYDRIDE | -- | -- | -- | -- | -- | -- | -- |
| 311 | Snl4 | STANNIC IODIDE | 1.51710 | 0.30000 | 0.28571 | 1011.64 | 417.65 | 617.65 | --  -- |
| 312 | Sr | STRONTIUM | 0.78222 | 0.30000 | 0.28571 | 4267.20 | 1050.15 | 1250.15 |  |

**density** = **A B** ·<1 • T/Tc)•n **(density• g/ml, T-K)**

**NO FORMULA NAME A B** I n Tc **TMIN TMAX density** @ 25 C

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313 SrO STRONTIUM OXIDE -- 2703.15 2703.15t, -·-··-

* 1. Ta
  2. Tc

TANTALUM

TECNNETIUM ------

4.78107

3.34979

0.30000

0.30000

0.28571

0.28571

19900.93 3290.15

17400.77 2430.15

3490.151

2630.15

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* 1. Te

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TELLURIUM ------ -- ---1 1.83626 I 0.30000

0.28571

4840.00

722.66

922.66

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c 317-

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| f-----  318 | ,TeF6 | TELLURIUM HEXAFLUORIDE | 1.16414 | 0.27400 | i | 0.28571 |  | 380.18 | 235.35 | 380.18 |
| 319 | Ti | TITANIUM | 1.38759 | 0.30000 | I | 0.28571 |  | 6400.00 | 1941.15 | 2141.15 |
| 320 | TiCl4 | TITANIUM TETRACHLORIDE | 0.55695 | 0.26324 |  | 0.27260 |  | 638.00 | 249.05 | 638.00 |
| 321 | Tl | THALLIUM | 1.79212 | 0.14783 |  | 0.28571 |  | 4648.06 | 577.15 | 777.00 |
| 322 | TIBr | THALLOUS BROMIDE | 2.55912 | 0.30000 |  | 0.28571 |  | 1778.75 | 733.15 | 933.15 |
| 323 | TII | THALLOUS IODIDE | 2.38850 | 0.30000 |  | 0.28571 |  | 1785.26 | 713.15 | 913.15 |
| 324 | Tm | THULIUM | 2.88674 | 0.30000 |  | 0.28571 |  | 6283.16 | 1818.15 | 2018.15 |
| 325 | u | URANIUM | 5.57293' | 0.30000 |  | 0.28571 |  | 13712.62 | 1408.15 | 1608.15 |
| 326 | UF6 | URANIUM FLUORIDE | 1.74575 | 0.27705 |  | 0.28571 |  | 505.80 | 342.35 | 401.33 |
| 327 | V | VANADIUM | 1.78294 | 0.30000 |  | 0.28571 |  | 11787.15 | 2183.15 | 2383.15 |
| 328 | VC14 | VANADIUM TETRACHLORIDE | 0.71831 | 0.33057 |  | 0.31162 |  | 697.00 | 247.45 | 697.00 |
| 329 | VOC13 | VANADIUM OXYTRICHLORIDE | 0.59752 | 0.29177 |  | 0.31700 |  | 636.00 | 193.65 | 400.00 |

I TELLURIUM TETRACHLORIDE

0.93555 ' 0.30000

' 0.28571

1083.31

497.15

581.15 \_ \_\_ \_ \_ ---

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2.684

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| 330 | **w** | TUNGSTEN | 5.64023 | 0.30000 |  | 0.28571 | 14756.00 3695.15 3895.15 | | |
| 331 | WF6 | TUNGSTEN FLUORIDE | 1.28420 | 0.27400 | 0.28571 | | 468.56 | 272.65 | 468.56 |
| 332 | **Xe** | XENON | 1.10648 | 0.28552 | 0.28967 | | 289.74 | 161.36 | 289.74 |
| 333 | Yb | YTTERBIUM | **2.12198** | 0.30000 | 0.28571 | | 4365.92 | 1097.15 | 1297.15 |
| **334** | Yt | YTTRIUM | **1.32860** | 0.30000 | 0.28571 | | 9381.32 | 1799.15 | 1999.15 |
| 335 | Zn | ZINC | 2.25387 | 0.29920 | 0.28571 | | 3170.00 | 692.70 | 1073.15 |
| 336 | ZnCl2 | ZINC CHLORIDE | **0.84382** | 0.30000 | I | 0.28571 | 1637.05 638.15 I 1200.00 | | |

ZnF2

ZINC FLUORIDE

1.61024 0.30000

0.28571 '2882.98 1145.15

1345.15

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1.821-------

1.637

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3.387

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338

ZnO

ZINC OXIDE

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339

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340

ZnS04

Zr

ZINC SULFATE

ZIRCONIUM i

---- I --

1- 9680 +- 0.30000

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0.28571 8802.00 I 2128.15

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2328.15

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341 ZrBr4 ,ZIRCONIUM BROMIDE

--- i ----- ------ t ------=-----+---===---=--- : -=:-\_:-:\_

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\_34\_2\_ 1 \_ -------------

ZIRCONIUM CHLORIDE------ - -- ,--1-.=0-8.3:7.-5--iI ---0-.=30-0-=00 , 0.28511, 983.96 1 110.15 I 836.!\_5• ------ -

343 iZr14 ZIRCONIUM IODIDE ------ -------- I ------ --- -----

**density** • **density of liquid, g/ml**

- -

A, B, n, and Tc • regression coefficients of chemical compound · -

T • temperature, K

TMAX • maximum temperature, K TMIN - mlnlmun temoerature, K

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