

## 4 Appendix and tables

### 4.2.6 Density of process fluids

Designation	Reference temperature +C	Density g/cm <sup>3</sup>
Ammonia water	18	0.88
Ether	18	0.72
Ethyl alcohol	18	0.79
Ethylen	- 103.5	0.568
Aniline	20	1.022
Argon. liquid	- 185.9	1.404
Ehtylen glycol	20	1.113
Ammonia	0	0.639
Ammonia	20	0.61
Benzene	18	0.68 to 0.81
Benzol	18	0.879
Beer	-	1.02 to 1.04
Chlorine. liquid	-35	1.558
Chloroform	18	1.489
Acetic acid	18	1.049
Petroleum crude	20	0.7 to 1.04
Fluorine	-188	1.11
Fluoric acid	13.6	0.99
Aviation lubricants	20	0.893
Glycerine	18	1.26
Caustic potash solution 10 %	18	1.09
Caustic potash solution 50 %	18	1.51
Sodium chloride solution 5 %	18	1.03
Sodium chloride solution	18	1.19
Carbon dioxide. liquid	- 181	1.6267
Carbon dioxide	0	0.925
Mineral oils	20	0.89 to 0.96
Sea water	15	1.026
Methanol	4	0.8
Whole milk	15	1.028
Skimmed milk	15	1.032
Methyl alcohol	18	0.81
Naphta	19	0.76
Sodium hydroxide 10 %	18	1.11
Sodium hydroxide 50 %	18	1.53
Olive oil	18	0.915

Designation	Reference temperature +C	Density g/cm <sup>+</sup>
Petroleum	18	0.76 to 0.86
Mercury	20	13.546
Mercury	0	13.5951
Rape seed oil	15	0.91 to 0.92
Rape seed oil	15	0.91
Nitric acid 25 %	18	1.151
Nitric acid 100 %	18	1.52
Hydrochloric acid 10 %	18	1.048
Hydrochloric acid 40 %	18	1.199
Sulphuric acid 25 %	18	1.18
Sulphuric acid 100 %	18	1.833
Sulphuric acid. crude	18	1.835
Spindle oil	20	0.871
Turpentine oil	18	0.855
Transformer oil	20	0.866
Water. distilled	0	0.99984
Water. distilled	4	0.99997
Water. distilled	20	0.99823
Water. distilled	25	0.99707
Water. distilled	100	0.95838
Wine	-	0.99 to 1.0
Hydrogen peroxide	0	1.465