

 EKİN ENDÜSTRİYEL



Fluid Chart

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► **Heat Transfer Products**

- Plate Heat Exchangers
- Spare Parts For Plate Heat Exchangers
- Brazed Heat Exchangers
- Tube Heat Exchangers

► **Pressure Vessels**

- Accumulation Tanks
- Water Heater Tanks
- Stainless Steel Tanks
- Separators

► **Package Systems**

- Heat Substations
- Pasteurizers
- Flat Access Substations

► **Fluid Transfer Products**

- Rotary Lobe Parts
- Hygienic Centrifuge Pumps
- Centrifugal Pumps With Magnetic Coupling
- Solenoid Dosing Pumps
- Air Diaphragm Pumps
- Diffusers
- Blowers



ISO
9001:2015



Sustainable Innovation, Quality Standardization and Dynamism

Ekin Industrial has entered Turkey's sector of imported plate heat exchanger, with their customer focused vision and dynamic. Ekin has expanded into new and upcoming investments.

One of the main steps was gaining the identity of being a producer. Ekin Industrial has started the production of plate heat exchangers with the brand of 'MIT'.

We grew in the philosophy of quality, through initially adapting to ISO Quality Management System procedures, and completed the CE security and quality certification period, and has matched foreign standards like GOST.

MIT plate heat exchangers have now become a solution to engineering problems in the world market and has grown through an expansion of franchises.

Engineering Approachments, Integrated Solutions

Ekin Industrial, with investment in MIT plate heat exchangers, their identity of producer and engineer vision is aiming to solve problems in the sector. To meet these views, Ekin Industrial has expanded into the production of components, sales and after sales service by employing expert engineers.

The factors that guided Ekin Industrial to success are their exceptional customer service to the needs and wants of consumers, modern facilities, and becoming partners to projects that involve high-end technology.

Ekin Industrial is an expert company which has wide product range which includes plate heat exchangers, accumulation tanks, water heater tanks, installation materials and its service group and submit competitive advantages to mechanical installation sector in Turkey and all around the World.

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You can take assistance about problems you have from MIT Plate Heat Exchanger Solution Center. Our solution center having qualified mechanical engineers will be happy to help you. These are some of the subjects that we can happily help you:

- Utility hot water installations
- Central and local heating systems
- Milk, yogurt, airan heating, cooling and pasteurization
- Industrial heating and cooling systems
- Oil cooling installations
- Energy recycle systems
- Pool heating systems



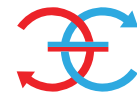
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In Plate Heat Exchanger systems, it is vital to setup the system correctly to get the desired capacity. That is why, when you setup your system you can take needed assistance from first hand just using a phone (+49 211 93079616 for 7 days and 24 hours,

To make your system and heat exchangers work correct and full performance, we want to share the information we've had through the long years. It really is a big happiness for us.

We want to emphasize that again and again. Ekin Endüstriyel will continue being the best solution partner in every place where heat exchanger is used.





Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductiie iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Abietic acid	C ₂ 0H ₃ 0O ₂	100	20	0.974				A				A		A				A	A							A		
Accumuiator acid (Battery acid)	H ₂ so ₄	40	20														A	A	A	A	A	c	C	A				
Acetaidehyde (Ethanal)	CH ₃ CHO, C ₂ H ₄ o	100	20	0.783	0.4	101	A	A	C	C		A	A	A	A	D	A	D	A	c	A	D	D	C	C			
Acetaidehyde (Ethanal)	CH ₃ CHO, C ₂ H ₄ o	100	60				A	A	C	C		A	A	A	A	D	B	D	A	D	B	D	D	C	C			
Acetaidehyde, aqueous	CH ₃ CH0+H ₂ 0	40	20				A	A	C			A		A	A	D	A	D	A	B	A	D	D	A				
Acetaidehyde, aqueous	CH ₃ CH0+H ₂ 0	40	60				A	A	C			A		A	A	D	A	D	A	C	A	D	D	D				
Acetaidehyde, aqueous	CH ₃ CH0+H ₂ 0	40	80				A	A	C			A		A	A	D	B	D	A	D	B	D	D	D				
Acetamide	ch3coNH2	100	20	0.980			D	A	D					A	A	C	A	A	A	A	A	A	B	A				
Acetate solvent, crude		100	20				D		D					A	A		D			D		D	D					
Acetate solvent, pure		100	20				A		A					A	A		D			D		D	C					
Acetic acid	CH3COOH, CH3C02H	10	20				C	A	D	D	A	A		A	A	A	A	A	A	C	B	D	D	A	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	10	40				C	A	D	D	A	A		A	A	A	A	A	A	C	D	D	D	A	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	10	80				C	A	D	D	A	A		A	A	A	B	B	A	D	D	D	D	A	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	20	20				C	A	D	D	A	A		A	A	A	A	A	A	C	C	D	D	A	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	20	40		2		C	A	D	D	A	A		A	A	A	A	A	A	C	D	D	D	A	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	20	60				C	A	D	D	A	A		A	A	A	B	A	A	C	D	D	D	A	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	20	80				C	A	D	D	A	A		A	A	B	C	B	A	C	D	D	D	A	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	30	20				C	A	D	D	A	A		A	A	A	A	A	A	C		D	D	A	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	50	20	1.060			C	A	D	D	A	A		A	A	A	A	A	A	C	D	D	D	D	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	50	40				C	A	D	D	A	A		A	A	B	B	A	A	C	D	D	D	D	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	50	60				C	A	D	D	A	A		A	A	C	C	A	A	C	D	D	D	D	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	50	80				C	A	D	D	A	A		A	A	D		B	A	C	D	D	D	D	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	80	20				C	A	D	D	A	A		A	A	B	B	A	A	C	D	D	D	D	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	80	40				C	A	D	D	A	A		A	A	C	C	B	A		D	D	D	D	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	80	60				C	A	D	D	A	A		A	A	D	D	C	A		D	D	D	D	A			
Acetic acid	CH ₃ COOH, CH ₃ C0 ₂ H	80	80				C	A	D	D	A	A		A	A	D	D	D	A		D	D	D	D	A			
Acetic acid methyl ester (Metyl acetate)	CH ₃ C0 ₂ CH ₃	100	20	0.930													A								A			
Acetic acid, glacial	CH ₃ COOH, CH ₃ C0 ₂ H	100	20	1.050	1.2	1.5	C	B	D	D	A	A		A	B	D	A	A	A	B	D	D	D	D				
Acetic acid, glacial	CH ₃ COOH, CH ₃ C0 ₂ H	100	40				C	B	D	D	A	A		A	B	D	B	B	A		D	D	D	D				
Acetic acid, glacial	CH ₃ COOH, CH ₃ C0 ₂ H	100	60				C	B	D	D	A	A		A	B	D	C	B	A		D	D	D	D				
Acetic acid, glacial	CH ₃ COOH, CH ₃ C0 ₂ H	100	80				C	B	D	D	A	A		A	B	D	D	B	A		D	D	D	D				
Acetic anhydride, pure	(CH ₃ C0) ₂ 0	100	20	1.080		0.5	C	B	C		B	A		A	A	D	B	B	A	D	C	D	D	A				
Acetic anhydride, pure	(CH ₃ C0) ₂ 0	100	40				C	B	C		B	A		A	A	D	C	C	A	D	D	D	D	A				
Acetic anhydride, pure	(CH ₃ C0) ₂ 0	100	60				C	B	C		B	A		A	A	D	D	D	A	D	D	D	D					
Acetic ether (Ethyl acetate)	CH3cooc2H5, CH3cooCH2CH3	100	20	0.902	0.5	9.7	A	A	A	C		B		A	A	D	B	A	A	D	B	D	D	A	B	A		A
Acetoacetic ester (Ethyl acetoacetate)	CH3cocH2cooc2H5	100	20	1.030								A		A			D								A		A	
Acetone (Dimethyl ketone)	CH3cocH3, C3H6o	100	20	0.790	1.3	25	A	B	A	A	A	A		A	B	D	A	D	A	D	B	D	D	A	B	A		A
Acetone (Dimethyl ketone)	CH ₃ COCH ₃ , C ₆ H ₆ o	100	60				A	B	A	A	A	A		A	B	D	C	D	A	D		D	D	A				



Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Acetone cyanhydrine	(CH ₃) ₂ C(OH)CN	100	20	0.930																								
Acetone, aqueous	CH ₃ COCH ₃ +H ₂ O	10	20							A														A				
Acetone, aqueous	CH ₃ COCH ₃ +H ₂ O	100	20				A	B	A	A		A		A	B	A	A	D	A	A	A	B	D	A				
Acetone, aqueous	CH ₃ COCH ₃ +H ₂ O	100	40				A	B	A	A		A		A	B	A	A	D	A	A	A	C	D	A				
Acetone, aqueous	CH ₃ COCH ₃ +H ₂ O	100	60				A	B	A			A		A	B	B	A	D	A	A	A		D	A				
Acetone, aqueous	CH ₃ COCH ₃ +H ₂ O	100	80				A	B	A	A		A		A	B		A	D	A	A	B		D	A				
Acetonitrile (Methyl cyanide)	CH ₃ CN	100	20	0.787		9.7		A						A			B	A	A	C	A	C	C	A		A		
Acetonitrile (Methyl cyanide)	CH ₃ CN	100	60					A						A				C	A									
Acetonitrile (Methyl cyanide)	CH ₃ CN	100	80					A						A				D										
Acetophenone	C ₆ H ₅ COCH ₃ , C ₈ H ₈ O	100	20	1.030				A				A		A			A	A	A	C	A	D	D			A		A
Acetophenone	C ₆ H ₅ COCH ₃ , C ₈ H ₈ O	100	40														B	C	A	D	A	D	D					
Acetophenone	C ₆ H ₅ COCH ₃ , C ₈ H ₈ O	100	60														C	D	A	D	A	D	D					
Acetophenone	C ₆ H ₅ COCH ₃ , C ₈ H ₈ O	100	80														D	D	A	D	B	D	D					
Acetyl acetone	C ₅ H ₈ O ₂	100	20													D		D										
Acetyl bromide	CH ₃ COBr, C ₂ H ₃ OBr	100	20	1.520		13.3												A	A									
Acetyl bromide	CH ₃ COBr, C ₂ H ₃ OBr	100	80															B	A									
Acetyl chloride (Acetic chloride)	CH ₃ COCl	100	20	1.105		27.9		D		D		A		B			A	A	A	D	D	D	D		D	A		A
Acetyl chloride (Acetic chloride)	CH ₃ COCl	100	40					D		D		A		B			A	B	A	D	D	D	D		D			
Acetyl chloride (Acetic chloride)	CH ₃ COCl	100	60					D		D		A		B			B	C	A	D	D	D	D		D			
Acetyl chloride (Acetic chloride)	CH ₃ COCl	100	80					D		D		A		B			C	D	A	D	D	D	D		D			
Acetyl hydroperoxide	CH ₃ COOOH, C ₂ H ₃ CO ₂ OH	100	20	1.150																								
Acetyl ketene	CH ₂ :CCH ₂ C(O)O	100	20	1.080																								
Acetyl peroxide	(CH ₃ CO) ₂ O ₂	100	20	1.180																								
Acetylene (Ethyne)	C ₂ H ₂	100	20			4200	D	A	A	A				A	A	D	A	A	A	A	C	A	D	A	A			
Acetylene (Ethyne)	C ₂ H ₂	100	60				D	A	A	A				A	A	D		A	A	A	D	B	D	A	A			
Acetylene dichloride	CHCl=CHCl	100	20	1.270		22																						
Acetylene tetrabromide	CHBr ₂ CHBr ₂ , (CHBr ₂) ₂	100	20	2.970		0	D		D					A	D					A								
Acetylsalicylic acid	CH ₃ CO ₂ C ₆ H ₄ CO ₂ H	100	20	1.200			D	A	D			A		A	A		A	A	A	D		D	D			A		A
Acrylic acid (Propene acid)	CH ₂ =CHCOOH, CH ₂ =CHCOOH	100	20	1.050		0.37																						
Acrylic acid ethyl ester	CH ₂ =CHCOOC ₂ H ₅	100	20	0.920		3.9												A	A									
Acrylic acid ethyl ester	CH ₂ =CHCOOC ₂ H ₅	100	40															B	A									
Acrylic acid ethyl ester	CH ₂ =CHCOOC ₂ H ₅	100	60															C	A									
Acrylic acid ethyl ester	CH ₂ =CHCOOC ₂ H ₅	100	80															D	B									
Acrylic aldehyde	CH ₂ =CHCHO	100	20	0.840		29																						
Acrylic amide	CH ₂ =CHCONH ₂	100	20	1.120																								
Acrylonitrile	CH ₂ CHCN, CH ₂ =CHCN	100	20	0.806		11	C	A	C			B		A	A		B	A	A	D	A	D	D	A		A		A
Acrylonitrile	CH ₂ CHCN, CH ₂ =CHCN	100	40				C	A	C			B		A	A		C	B	A	D	A	D	D	A				
Acrylonitrile	CH ₂ CHCN, CH ₂ =CHCN	100	60				C	A	C			B		A	A			C	A	D	B	D	D					



Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	MBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Adipic acid	(CH ₂) ₄ (COOH) ₂ , (C ₂ H ₄ COOH) ₂	100	20	1.360				B				A		B		A	A	A	A	A	A	A				A		
Adipic acid, aqueous, saturated	(CH ₂) ₄ (COOH) ₂ , (C ₂ H ₄ COOH) ₂	100	20	1.360				B				A		B		A	A	A	A	A	A	A				A		
Adipic acid, aqueous, saturated	(CH ₂) ₄ (COOH) ₂ , (C ₂ H ₄ COOH) ₂	100	80					B				A		B		B	B	A	A	A	B							
Adiponitrile	CN(CH ₂) ₄ CN	100	20	0.960																								
Adrament solution		100	20													A												
Alkane	C ₁₂ H ₂₅ -CbH ₅	100	20	0.870																								
Alkane sulfonic acid	C _n H _{2n} S ₀₃ H	100	20					D				A		A			A		A							A		
Alkazene		100	20																	B			D					
Alkyl aryl sulphonate	C _n H _{2n+1} , C ₆ H ₅ S ₀₃ Na	100	20					A				A		A												A		A
Aliyi alcohol (Propenyl alcohol)	cH ₂ cHcH ₂ oH, H ₂ c=cHcH ₂ oH	96	20									A		A			A	A	A	C	C	A	C	A				
Aliyi alcohol (Propenyl alcohol)	cH ₂ cHcH ₂ oH, H ₂ c=cHcH ₂ oH	100	20	0.852	1.6	2.4						A		A		D	A	A	A	A		A				A		A
Aliyi alcohol (Propenyl alcohol)	cH ₂ cHcH ₂ oH, H ₂ c=cHcH ₂ oH	100	60									A		A		D	A	A	A	A		B						
Aliyi alcohol (Propenyl alcohol)	cH ₂ cHcH ₂ oH, H ₂ c=cHcH ₂ oH	100	80									A		A		D		A	A	B								
Aliyi amine	cH ₂ =cHcH ₂ cl	100	20	0.760																								
Aliyi chloride	cH ₂ =cHcH ₂ cl	100	20	0.940	1	40		A				A					D	A	A	B	D	B				A		A
Aliyi chloride	cH ₂ =cHcH ₂ cl	100	40					A				A					D	C	A	B	D	C						
Aliyi chloride	cH ₂ =cHcH ₂ cl	100	60					A				A					D	D	A	C	D	D						
Aliyi chloroformate	CH ₂ :CHCH ₂ OOCCL	100	20	1.140																								
Alum (Potassium aluminium sulphate)	KAl(SO ₄) ₂	100	20							D						A	A	A	A	A	A	A						
Alum (Potassium aluminium sulphate)	KAl(SO ₄) ₂	100	80							D						A	A	A	A	A	A	B	B					
Aluminium acetate, saturated	Al(CH ₃ COO) ₃	100	20					A		D				B		A	A	A	A	A	A	A	B			A		A
Aluminium acetate, saturated	Al(CH ₃ COO) ₃	100	40					A		D				B		B	A	A	A	A	A	A	B					
Aluminium bromide, saturated	(AlBr ₃), AlBr ₃	100	20	3.210		0.1												A	A	A	A	A						
Aluminium chlorate	Al(ClO ₃) ₃ +6H ₂ O	100	20									A		A			A	A	A							A		A
Aluminium chloride, powder	AlCl ₃	100	20				D	D	D	D		A		D	A	A	A	A	A	A	A	A	A	C				
Aluminium chloride, saturated	AlCl ₃	5	20	1.030		2.2	D	D	D	D		A		D	A	A	A	A	A	A	A	A	A	C				
Aluminium chloride, saturated	AlCl ₃	10	20	1.090		2.2	D	D	D	D		A		D	A	A	A	A	A	A	A	A	A	C	A		A	
Aluminium chloride, saturated	AlCl ₃	20	20				D	D	D	D	A	A		C	A	A	A	A	A	A	A	A	C					
Aluminium chloride, saturated	AlCl ₃	100	20	2.440			D	D	D	D		A		D	A	A	A	A	A	A	A	A	C	A		A		A
Aluminium chloride, saturated	AlCl ₃	100	60				D	D	D	D		A		D	A	B	A	B	A	A	A		C					
Aluminium chloride, saturated	AlCl ₃	100	80				D	D	D	D		A		D	A	B	A	C	A	A	A		C					
Aluminium etch		100	20				D		D					D	D					A		A	A					
Aluminium ethylate	Al(C ₂ H ₅ O) ₃	100	20																									
Aluminium fluoride, saturated	AlF ₃ , Al ₂ F ₃	100	20					A		D		B		C	A	A	A	A	A	A	A	A				A		
Aluminium hydroxide, saturated	Al(OH) ₃	100	20				A	B	A	D		A		A	A	A	A	A	A	A	A	A				A		A
Aluminium hydroxide, saturated	Al(OH) ₃	100	80				A	B	A	D		A		A	A	A	A	A	A	A	B	B	A					
Aluminium nitrate, saturated	Al(NO ₃) ₃ +9H ₂ O	10	20	1.050		2.2		D		D		A		A		A	A	A	A	A	A	A		C				
Aluminium nitrate, saturated	Al(NO ₃) ₃ +9H ₂ O	100	20					D		D		A		A		A	A	A	A	A	A	A		C	A		A	



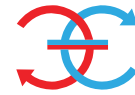
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Aluminium nitrate, saturated	Al(NO3)3+9H2O	100	80					D		D		A		A		A	A	A	A	A	A	B	A		C			
Aluminium oxide	AlO3	100	20				D		D					A	A					A		A	A					
Aluminium phosphate	AlPO4	100	20											A				A		A	A	A						
Aluminium pulverized	Al	100	20	2.710		0																						
Aluminium silicofluoride	Al2(SiF6)3	100	20									A		A			A	A										A
Aluminium sulphate, saturated	Al2(SO4)3	10	20	1.110		2.2	C	B	D	D	B	A		A	A	A	A	A	A	A	A	A	A		C	A		A
Aluminium sulphate, saturated	Al2(SO4)3	100	20	1.610			C	B	D	D	B	A		A	A	A	A	A	A	A	A	A	A		C	A		A
Amber acid (Succinic acid), saturated	C4H6O4, C2H4(COOH)2	100	20													A	A	A	A	A	A	A						
Amines	r-NH2	100	20				D		D					A	A					D	B	D	D		A			
Aminopyridine	c5H4n-NH2	100	20					A				A		A														A
Aminosalicic acid	H2NC6H3(OH)CO2H	100	20					A				A		A			A		A							A		A
Ammonia alum	(NH4)Al(SO4)2+12H2O	10	25	1.050													A	A	A	A	A	A						
Ammonia alum	(NH4)Al(SO4)2+12H2O	100	20														A	A	A	A	A	A						
Ammonia alum	(NH4)Al(SO4)2+12H2O	100	80														A	A	A	A	A	B						
Ammonia gas	Nh3	100	20	0.770	0.3	883				B						A	A	A	A	D	A	A	B	A	D			
Ammonia gas	Nh3	100	60							B						B	B	A	A	D	A	B	B		D			
Ammonia gas	Nh3	100	80							B							B	A	A	D	B		B		D			
Ammonia liquor	NH3+H2O, Nh4oH	100	20	0.800		15.3											A	A	A	C	A	A						
Ammonia liquor	NH3+H2O, Nh4oH	100	40														B	A	A		B	B						
Ammonia nitrate	NH4No3	100	20	1.720			D		A					A	A							A	C					
Ammonia water	NH3+H2O, Nh4oH	10	20	0.900	1	48	D	A	A					A	A	A	A	A	A	B	A	A	A	A		A		
Ammonia vvater	NH3+H2O, Nh4oH	10	25	0.960		9.3	D	A	A					A	A	A	A	A	A	B	A	A	A	A		A		
Ammonia vvater	NH3+H2O, Nh4oH	10	40				D	A	A					A	A	A	A	A	A	C	A	B	A	A		A		
Ammonia vvater	NH3+H2O, Nh4oH	10	60				D	A	A					A	A	A	A	A	A	D	A	B	A			A		
Ammonia vvater	NH3+H2O, Nh4oH	10	80				D	A	A					A	A	B	B	A	A	D	A		A			A		
Ammonia water	NH3+H2O, Nh4oH	25	20	0.910		34.5	D	A	A					A	A	A	A	A	A	D		A	A	A		A		
Ammonia vvater	NH3+H2O, Nh4oH	28	20				D	A	A					A	A	A	A	A	A	D		A	A		A			
Ammonia vvater	NH3+H2O, Nh4oH	35	20	0.900	1	48	D	A	A					A	A	A	A	A	A	D		A	A			A		
Ammonia, anhydrous	NH3	100	20				D	A	A	B	B	A		A	A		A	A	A	C	A	A	A					
Ammonia, anhydrous	NH3	100	40				D	A	A	B	B	A		A	A		B	A	A		B	B	A					
Ammonium acetate, saturated	NH4oocCH3, H3ccooNH4	100	20					A				A		A		A	A	A	A	A	A	A				A		A
Ammonium acetate, saturated	NH4oocCH3, H3ccooNH4	100	80					A				A		A		B	B	A	A	B	B	B						
Ammonium bicarbonate	NH4Hco3	100	20				D	A	C	B				A	A		A	A	A	A	A	A				A		A
Ammonium bifluoride, saturated	NH4HF2, (NH4)FHF	20	20				D		D			A		A	A	A	A	A	A	A	A	A	A			A		
Ammonium bifluoride, saturated	NH4HF2, (NH4)FHF	100	20	1.500			D		D			B		A	A	A	A	A	A	A	A	A	A					
Ammonium bifluoride, saturated	NH4HF21 (NH4)FHF	100	80				D		D			B		A	A	A	A	A	A	B	B	B	A					
Ammonium bisulfite	Nh4Hso3	100	20									A		A			A		A							A		A

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Ammonium bromide	NH ₄ Br	5	25	1.030				D		D		A		C			A	A								A		
Ammonium bromide	NH ₄ Br	40	20	1.270				D				A					A	A								A		
Ammonium carbonate, saturated	(NH ₄) ₂ CO ₃ +H ₂ O	10	20	1.030		2.2	D	A	A	V		A		A	A	A	A	A	A	A	A	A	A					
Ammonium carbonate, saturated	(NH ₄) ₂ CO ₃ +H ₂ O	25	20	1.100			D	A	A	B		A		A	A	A	A	A	A	A	A	A	A			A		A
Ammonium carbonate, saturated	(NH ₄) ₂ CO ₃ +H ₂ O	50	20				D	B	A	B				A														
Ammonium carbonate, saturated	(NH ₄) ₂ CO ₃ +H ₂ O	100	20				D	B	A	B	B	B		B	A	A	A	A	A	A	A	A	A					
Ammonium casenite		100	20											A	A								A					
Ammonium chloride, saturated	Nh ₄ cl	10	20																									
Ammonium chloride, saturated	Nh ₄ cl	25	20	1.070		1.8					B	A		B	A	A	A	A	A	A	A	A	A					
Ammonium chloride, saturated	Nh ₄ cl	100	20	1.070			D	D	D	D	B	A		B	A	A	A	A	A	A	A	A	A			A		
Ammonium chloride, saturated	Nh ₄ cl	100	80				D	D	D	D	B	A		B	A	B	B	A	A	A	A	B	A					
Ammonium fluoride (Fluorammon)	Nh ₄ cl	6	20	1.030		2.3																						
Ammonium fluoride (Fluorammon)	Nh ₄ cl	14	20	1.060				A				A		D			A	A	A	A		A				A		
Ammonium fluoride (Fluorammon)	Nh ₄ cl	20	20	1.060										A			A	A	A	A	A	A				A		
Ammonium fluoride (Fluorammon)	Nh ₄ cl	20	80											A			B	A	A									
Ammonium fluoride, povvder	Nh ₄ cl	100	20	1.315																								
Ammonium fluoride, solution	Nh ₄ cl	100	20	1.015																								
Ammonium fluorsilicate	(NH ₄) ₂ SiF ₆	100	20					A				A		A			A	A										A
Ammonium formate	Hco ₂ Nh ₄	100	20					A				A		A			A	A	A							A		A
Ammonium hydrogen fluoride	NH ₄ HF ₂ , (NH ₄)FHF	50	20														A	A								A		A
Ammonium hydrogen phosphat	(NH ₄) ₂ HPO ₄	100	20															A								A		
Ammonium hydrogen sulphide	(NH ₄)HS	100	20														A	A										
Ammonium hydroxide	NH ₃ +H ₂ O, Nh ₄ Oh	100	20	0.800		15.3	A	B	A		A	A		A	A	A	A	A	A	B	A	B	A	A	C			
Ammonium hydroxide	NH ₃ +H ₂ O, Nh ₄ Oh	100	40				A	B	A		A	A		A	A	A	A	A	A	B	A	D	A	A				
Ammonium hydroxide	NH ₃ +H ₂ O, Nh ₄ Oh	100	60	1	1		A	B	A		A	A		A	A	A	A	A	A	C	A	D	A	A				
Ammonium iodide	NH ₄ I	45	20	1.380													A	A								A		
Ammonium metaphosphate		100	20														A	A	A	A	A	A						
Ammonium metaphosphate		100	40														A	A	A	A	A	B						
Ammonium nitrate	Nh ₄ No ₃	10	20	1.040		2.2	D	A	A			A		A	A	A	A	A	A	A	A	A	A					
Ammonium nitrate	Nh ₄ No ₃	50	20	1.230			D	A	A			A		A	A	A	A	A	A	A	A	A	A			A		A
Ammonium nitrate	Nh ₄ No ₃	60	20	1.230		0.5	D	A	A			A		A	A	A	A	A	A	A	A	A	A					
Ammonium nitrate	Nh ₄ No ₃	100	20	1.720			D	B	A		D	A		A	A	B	A	A	A	A	A	A	A					
Ammonium nitrite, saturated	Nh ₄ No ₃	100	20														A	A				A	A					
Ammonium oxalate	(NH ₄) ₂ C ₂ O ₄ , (COONH ₄) ₂ +H ₂ O	30	25	1.040			D	A	D			A		A	A		A					A	A					
Ammonium oxalate	(NH ₄) ₂ C ₂ O ₄ , (COONH ₄) ₂ +H ₂ O	100	20				D	A	D			A		A	A		A					A	A			A		
Ammonium perchlorate	Nh ₄ clo ₄	10	25	1.040								A														A		
Ammonium perchlorate	Nh ₄ clo ₄	14	20	1.070				A				A														A		



Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductiie iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic	
Ammonium perchlorate	Nh4clo4	100	20	1.950																									
Ammonium persulphate	(Nh4)2S2O8	10	25	1.060			D	D	D						A	A	A	A	A	A	A								
Ammonium persulphate	(Nh4)2S2O8	40	20				D	D	D						A	A	A	A	A	A	A	A	A						
Ammonium persulphate	(Nh4)2S2O8	50	20				D	D	D			A			A	A	A	A	A	A	A	A	A			A			
Ammonium persulphate	(Nh4)2S2O8	100	20				D	D	D		D	A			A	A	A	A	A	A	A	D	D						
Ammonium phosphate, dibasic	(NH4)2HP04	50	20				C	D	C			A			C	A	A	A	A	A	A	A	A		c	A			
Ammonium phosphate, dibasic	(NH4)2HP04	100	20				C	D	C			A			C	A	A	A			A	A	A	A		c			
Ammonium phosphate, mono	NH4H2P04, (NH4)H2P04	100	20				D	D	D	D		A			C	A	A	A	A	A	A	A	A		c				
Ammonium phosphate, mono	NH4H2P04, (NH4)H2P04	100	60				D	D	D	D		A			C	A	A	A	A	A	A	A	B	A		c			
Ammonium phosphate, tribasic	(NH4)3H2P04	100	20				C		A			A			A	A	A	A			A	A	A	C		c			
Ammonium stannic chloride	(NH4)2SnCl6	100	20												A			A	A										
Ammonium sulphate, saturated	(NH4)2S04	10	20	1.060			A	A	C	D		A			A	A	A	A	A	A	A	A	A	A					
Ammonium sulphate, saturated	(NH4)2S04	50	20	1.280		0.7	A	A	C	D		A			A	A	A	A	A	A	A	A	A	A			A		A
Ammonium sulphate, saturated	(NH4)2S04	100	20	1.300			A	D	C	D		B			B	A	A	A	A	A	A	A	A						
Ammonium sulphide, saturated	(NH4)2S04	100	20					A		D		A			A		A	A	A	A			A				A		A
Ammonium sulphite, diluted	(NH4)2 SO3	100	20					A		C		A			A			A	A				A			c	A		A
Ammonium thiosulphate	(NH4)2S2O3	100	20				D		D						A	A							A	A					
Amyl acetate, pure	CHaCOOC5HN, C7H14O2	100	20	0.880	2.3	0.7	A	B	C	C		B			A	A	D	D	A	A	D	B	D	D	A		A		A
Amyl acetate, pure	CHgCOOC5HN, C7H14O2	100	40				A	B	C	C		B			A	A	D	D	B	A	D	C	D	D					
Amyl acetate, pure	CHaCOOC5HN, C7H14O2	100	60				A	B	C	C		B			A	A	D	D	C	B	D		D	D					
Amyl alcohol (Amyl hydrate), pure	C5H11OH	100	20	0.820	1.2		A	A	A	C	A	A			A	A	A	A	A	A	A	A	B	Â	A	C	A		A
Amyl alcohol (Amyl hydrate), pure	C5H11OH	100	60				A	A	A	C	A	A			A	A	A	A	A	A	B	A	B	A	A	c			
Amyl alcohol (Amyl hydrate), pure	C5H11OH	100	80				A	A	A	C	A	A			A	A	B	B	A	A	B	A	A	A	A	C			
Amyl borate, pure		100	20															A	A	A	B	A	A						
Amyl chloride, pure	C5H11Cl, CH3(CH2)3CH2Cl	100	20	0.870			A	D		B		A			D	A	D	D	A	A	B	D	B	D			A		A
Amyl chloride, pure	C5H11Cl, CH3(CH2)3CH2Cl	100	80				A	D		B					D	A	D	D	B	A		D		D					
Amyl chloronaphtalene		100	20																A	A			D						
Amyl mercaptan	CH3(CH2)4SH, C5H11SH	100	20	0.850		1.9																							
Amyl naphtalene		100	20																	A			D	D					
Aniline dyes	r-C6H4NH2	100	20				C	B	C		A				A	A		A	A	A	B	C	C	C					
Aniline hydrochloride, pure	c6H5NH2HCl	20	20	1.090				D				A			D			A	A	A	A		B	D					
Aniline hydrochloride, pure	c6H5NH2HCl	100	20	1.080				D				A			D			A	A	A	A		B	D			A		A
Aniline hydrochloride, pure	c6H5NH2HCl	100	60					D				A			D			A	B	A	A		B	D					
Aniline hydrochloride, pure	c6H5NH2HCl	100	80					D				A			D				D	A			B	D					
Aniline oil	C6H7N, c6H5NH2	100	20	1.020		0.3	A		A			B			A	A				A	B	D	D						
Aniline sulphate	(C6H5NH2)2.H2S04	100	20					A				A			A			A	A	A							A		
Aniline, pure	C6H5NH2, C6H7N	100	20	1.020		0.3	C	B	A	C		B			A	A	C	B	A	A	B	B	D	D	A	D	A		A

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Aniline, pure	C ₆ H ₅ NH ₂ , C ₆ H ₇ N	100	40				C	B	A	C		B		A	A	D	B	B	A	B	C	D	D	A	D	A		
Aniline, pure	C ₆ H ₅ NH ₂ , C ₆ H ₇ N	100	60				C	B	A	c		B		A	A	D	C	B	A	B	D	D	D	A	D	A		
Aniline, pure	C ₆ H ₅ NH ₂ , C ₆ H ₇ N	100	80				C	B	A	C		B		A	A	D	D	C	A		D	D	D		D			
Animal fats		100	20																									
Animal oil (Lard)		100	20					A						A		A	A	A	A	A	A	A	B					
Anise oil		100	20				D		D					A	A					A		D						
Anisole	C ₆ H ₅ ocH ₃	100	20	1.000				A				A		A			D		A	D		D						
Anon (Cyclohexanone), pure	C ₆ H ₁₀ O, (CH ₂) ₅ CO	100	20	0.950	5	0.53		A				A		A	B	D	B	B	A	D	C	D	D	A				
Ansul ether (Methylphenylether)	C ₆ H ₅ ocH ₃	100	20																	D		C	D					
Anti-freeze		100	20	1.110			A		A					A	A					A		A	C					
Antiformin	NaOCl(KOCl)	100	20	1.220				A				A					A	A	A	A		A			A			
Antimony	Sb	100	20																									
Antimony fluoride	SbF ₅	100	20	3.000														A										
Antimony pentachloride	SbCl ₅	100	20	2.350																								
Antimony pentasulfide	Sb ₂ S ₅	100	20	4.120																								
Antimony trichloride, saturated	SbCl ₃	90	20									A		D			A	A	A	A					A		A	
Antimony trichloride, saturated	SbCl ₃	100	20	3.140								A		D			A	A	A	A	B							
Antimony trichloride, saturated	SbCl ₃	100	40									A		D			A	B	A	A								
Antimony trichloride, saturated	SbCl ₃	100	60									A		D			B	C	B	A								
Antimony trichloride, saturated	SbCl ₃	100	80									A		D			B	C	B	B								
Antimony, plating solution		100	20											A	A	A				A		A	A					
Antracenoil	C ₁₄ H ₁₀	100	25	1.250																								
Antraquinone sulphonic acid	C ₆ H ₄ (CO) ₂ C ₆ H ₃ SO ₃ H	30	20					A				A		A			A		A	A					A		A	
Aqua Regia	80% HCl+20% HNO ₃	100	20				D	D			D	D		D	D	C	C	A	A	C	B	D	D		A		A	
Aqua Regia	80% HCl+20% HNO ₃	100	60				D	D			D	D		D	D		D	A	A		C	D	D					
Arochlor		100	20					A				B		A	A	A				A	A	B	D	D				
Aromatic hydrocarbon		100	20				A							A	A					A	D	D	D					
Arsenic acid	HaAsO ₄ + *H ₂ O	80	20				D	D	D	D		A		A	A	A	A	A	A	A	A	A	A	A		A		A
Arsenic acid, saturated	HaAsO ₄	10	20	1.070											A	A	A	A	A	A	A	A	A					
Arsenic acid, saturated	H ₃ AsO ₄	80	20																					A				
Arsenic acid, saturated	H ₃ AsO ₄	100	20	2.500			D	D	D	D				B	A	A	A	A	A	A	A	A	A					
Arsenic acid, saturated	H ₃ AsO ₄	100	40				D	D	D	D				B	A	B	A	A	A	A	A	A	A					
Arsenic acid, saturated	H ₃ AsO ₄	100	60				D	D	D	D				B	A	B	B	A	A	A	B	B	A	A				
Arsenic acid, saturated	H ₃ AsO ₄	100	80				D	D	D	D				B	A	C	C	A	A	B	B	B	A	A				
Arsenic trichloride	AsCl ₃	100	20					D						D								D	A	A				
Arsenic trioxide, powder	As ₂ O ₃	100	20	3.740																								
Arsenic, plating solution		100	20											A	A	A	A			A		A	A					
Arsine	AsH ₃	100	20																									



Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Ascorbic acid	C ₆ H ₈ O ₆	100	20					A									A	A								A		
Askarel		100	20																	A	D	B	D					
Asphalt		100	20	1.100	500-2500		A	C	A	B				A	A	D	A	A	A	A	D	B	C		C			
Aviation petrol (Aviation spirit)		100	20	0.720		25																						
Barbeque sauce		100	20		2000		D		D					A	A							A	A					
Barium carbonate, saturated	BaCO ₃	100	20					A		B		A		A	A	A	A	A	A	A	A	A						
Barium carbonate, saturated	BaCO ₃	100	80					A		B		A		A	A	A	A	A	A	A	A	B						
Barium chlorate	Ba(ClO ₃) ₂ +H ₂ O	20	20	1.180				A				A		A			A	A								A		A
Barium chlorate	Ba(ClO ₃) ₂	100	20	3.180																								
Barium chloride	BaCl ₂	10	20	1.090		2.2	C	A	C	C	A	A			A	A	A	A	A	A	A	A	A					
Barium chloride	BaCl ₂	25	20	1.270		1.8	C	A	C	C	A	A		D	A	A	A	A	A	A	A	A	A			A		A
Barium chloride, saturated	BaCl ₂ +2H ₂ O	100	20	3.860			C	A	C	C	A	A		B	A	A	A	A	A	A	A	A	A					
Barium chloride, saturated	BaCl ₂ +2H ₂ O	100	80				C	A	C	C	A	A		B	A	A	A	A	A	A	A	B	A					
Barium cyanide	Ba(CN) ₂	100	20				C			C				A	A					A	A	C	A					
Barium dioxide	BaO ₂	100	20	4.960																								
Barium hydrate	BaOH	100	20				A		A					A	A							A	A					
Barium hydroxide, saturated	Ba(OH) ₂	4	20	1.040			A	A	A	B	B	B		A	A	A	A	A	A	A	A	A	A		C	A		A
Barium hydroxide, saturated	Ba(OH) ₂	100	20				A	D	A	B	B	B		A	A	A	A	A	A	A	A	A	A		C			
Barium hydroxide, saturated	Ba(OH) ₂	100	80				A	D	A	B	B	B		A	A	A	A	A	A	A	A	B	A		C			
Barium nitrate	Ba(NO ₃) ₂	8	20	1.070			D	A	A			A		A	A	A	A	A	A	A	A	A	A			A		
Barium nitrate, saturated	Ba(NO ₃) ₂	100	20	3.240			D		A					A	B	A	A	A	A	A	A	A	A					
Barium nitrate, saturated	Ba(NO ₃) ₂	100	80				D		A					A	B	A	A	A	A	A	A	B	A					
Barium salts		100	20														A	A				A						
Barium sulphate, saturated	BaSO ₄	100	20					B		C				A	B	A	A	A	A	A	A	A	A		D			
Barium sulphate, saturated	BaSO ₄	100	80					B		C				A	B	A	A	A	A	A	A	B	A		D			
Barium sulphide, saturated	BaS	100	20				A	D		D				A	A	A	A	A	A	A	A	B	A					
Barium sulphite	BaSO ₃	100	20				A								A	A				A		A						
Beef extract		100	20				D		D					A	A					A		A	A					
Beer		100	20	1.010	2		A	A	D			A		A	A	A	A	A	A	A	A	B	A		C	A		
Beet sugar liquor		100	20				C	A	A			A		A	A	A	A	A	A	A	A	A	A					
Benzaldehyde	C ₆ H ₅ CHO	0,1	20	1.050			A	A	A	C		A		A	A	D	A	A	A	C	C	D	D			A		
Benzaldehyde	C ₆ H ₅ cho	10	20				A	A	A	C		A		A	A	D	A	A	A	C	C	D	D					
Benzaldehyde	C ₆ H ₅ CHO	10	60				A	A	A	C		A		A	A	D	B	B	A			D	D					
Benzaldehyde, above 10%	C ₆ H ₅ CHO	10	20				A	A	A	C		A		A	A	D	A	A	A	C	C	D	D					
Benzaldehyde, above 10%	C ₆ H ₅ CHO	10	40				A	A	A	C		A		A	A	D	B	B	A			D	D					
Benzaldehyde, saturated	C ₆ H ₅ CHO	100	20	1.050			A							A			A	A	A	A	A	C	D	A				
Benzene (Benzol), pure	C ₆ H ₆	100	20	0.880	1	10.1	A	B	A	B	B	B		B	A	C	B	A	A	B	D	D	D	A	C	A		A
Benzene (Benzol), pure	C ₆ H ₆	100	40				A	B	A	B	B	B		B	A	D	C	B	A	B	D	D	D	A	C	A		

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Benzene (Benzol), pure	C ₆ H ₆	100	80				A	B	A	B	B	B		B	A	D		C	A	B	D	D	D	A	C	A		
Benzene hexachloride	c6h6cl6	100	20	1.870																								
Benzene sulphonic acid	C ₆ H ₅ SO ₃ H, C ₆ H ₅ SO ₂ OH	10	20				D	D	D					B		D	D	B	A	A	C	D	A					
Benzene sulphonic acid	C ₆ H ₅ SO ₃ H, C ₆ H ₅ SO ₂ OH	10	60				D	D	D					B		D	D	C	A	A	C	D	A					
Benzene sulphonic acid	C ₆ H ₅ SO ₃ H, C ₆ H ₅ SO ₂ OH	10	80				D	D	D					B		D	D	D	A		C	D	A					
Benzene sulphonic acid	C ₆ H ₅ SO ₃ H, C ₆ H ₅ SO ₂ OH	100	20				D	D	D			A		A	A		A	A	A		c		A			A		
Benzine (Gasoline), leaded	C _n H _{2n+2}	100	20	0.750	1	-5	A	A	A	B	A	A		A	A	A	D	A	A	B	D	B	D		A			
Benzine (Gasoline), sour	C _n H _{2n+2}	100	20				A	A	A	B	A	A		A	A	A	D	A	A	A	D	B	D					
Benzine (Gasoline), unleaded	C _n H _{2n+2}	100	20	0.750	1	-5	A	A	A	B	A	A		A	A	A	D	A	A	B	D	B	D		A			
Benzine (Petrol), chemically pure	C _n H _{2n+2}	100	20	0.730			A	A	A	B	A	A		A	A	D	A	A	A	A	D	A	D			A		
Benzine (Petrol), chemically pure	C _n H _{2n+2}	100	40				A	A	A	B	A	A		A	A	D	B	A	A	A	D	A	D					
Benzine (Petrol), pure	C _n H _{2n+2}	100	20	0.730			A	A	A	B	A	A		A	A	D	A	A	A	A	D	A	D			A		
Benzine (Petrol), pure	C _n H _{2n+2}	100	40				A	A	A	B	A	A		A	A	D	B	A	A	A	D	A	D					
Benzine (Petrol), pure	C _n H _{2n+2}	100	60				A	A	A	B	A	A		A	A	D	C	B	A	B	D	B	D					
Benzoate soda	C ₆ H ₅ CO ₂ Na	36	20														A	A										
Benzoic acid, pure	C ₆ H ₅ COOH	50	20	1.060			C	B	D	D		A		B	A	A	A	A	A	A	A	B	D	A				
Benzoic acid, pure	c6h5cooh	100	20	1.270			C	B	D	D				B	A	A	A	A	A	A	A	B	D	A		A		A
Benzoic acid, pure	C ₆ H ₅ COOH	100	40				C	B	D	D				B	A	A	B	A	A	A	A	B	D	A				
Benzoic acid, pure	C ₆ H ₅ COOH	100	60				C	B	D	D				B	A	B	C	A	A	A	A	B	D	A				
Benzoic acid, pure	c6h5cooh	100	80				C	B	D	D				B	A	C	D	A	A	A	B	D	A					
Benzoic trichloride	CeH5CCl3	100	20	1.375																								
Benzonitrile	C ₇ H ₅ N	100	20																A									
Benzotrifluoride	C ₆ H ₅ CF ₃	100	20	1.200																								
Benzoyl chloride	C ₆ H ₅ COCl	100	20	1.210				A				A					D	A	A					A		A		
Benzoyl peroxide	(C ₆ H ₅ CO) ₂ O ₂	100	20	1.330																								
Benzyl acetate	C ₆ H ₅ CH ₂ CO ₂ CH ₃	100	20	1.050				A																		A		
Benzyl alcohol, chemically pure	C ₆ H ₅ CH ₂ OH, C ₇ H ₈ O	100	20	1.040			A	B	A		A	A		A	A		A	A	A	A	B	D	C			A		
Benzyl alcohol, chemically pure	C ₆ H ₅ CH ₂ OH, C ₇ H ₈ O	100	60				A	B	A		A	A		A	A		A	A	A	A	C	D	C					
Benzyl alcohol, chemically pure	C ₆ H ₅ CH ₂ OH, C ₇ H ₈ O	100	80				A	B	A		A	A		A	A			A	A	B		D	C					
Benzyl benzoate, saturated	c14h12o2	100	20					A	B					B					A	A	B	D						
Benzyl butyl phthalate	C ₆ H ₄ C ₀₂ CH ₂ C ₆ H ₅ C ₀₂ (CH ₂) ₃ CH ₃	100	20					A				A		A														
Benzyl chloride, pure	c6H5CH2Cl	100	20	1.104	1.2	0.12	D	D	D					B	A		A	A	A	A	D	D	D			A		
Benzyl cyanide	C ₆ H ₅ CH ₂ CN	100	20	1.020														A										
Benzyl peroxide, powder	(C ₆ H ₅ CO) ₂ O ₂	100	20	1.330			D		D					A	D							A						
Benzyl sulfanilic acid	C ₆ H ₅ CH ₂ NHC ₆ H ₄ SO ₃ H	100	20					A				A		A			A		A							A		
Beryllium chloride	BeCl ₂	10	20	1.070				A				A		D			A	A	A							A		A
Beryllium sulphate	BeSO ₄	10	20	1.090				D		B		A		A			A	A	A							A		A
Beryllium, powder	Be	100	20	1.850						t																		

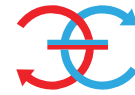


Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Biphenyl	c6h5c6h5	100	25	1.990																								
Birch oil		100	20											A	A					A		A	D					
Biscuit dough		100	20				A							A						A		A	A					
Bisque mass		100	20				C							A	A	A	A			A		A	A					
Black liquor, saturated		100	20					C		C				B		A	A	A	A	A	A	A	B					
Black liquor, saturated		100	80					C		C				B		B	B	A	A	A	A	B	B					
Blast furnace gas		100	20																	A	A	D						
Bleach liquor (Bleaching agent)	CaOCl ₂	5	20											A	A	A	A	A	A	A	A	C	C					
Bleach liquor (Bleaching agent)	CaOCl ₂	12	20											A	A	A	A	A	A	A	B	C	C					
Bleaching agent	CaOCl ₂	5	20											A	A	A	A	A	A	A	A	C	C					
Bleaching agent	CaOCl ₂	12	20											A	A	A	A	A	A	A	B	C	C					
Blood		100	20	1	5			B		D				A	A							A	A					
Bone oil		100	20	0.92	50		A		A					A	A					A		A	D					
Bone oil (Dippel's oil)		100	20				A		A					A	A							A	A					
Borax (Sodium tetraborate)	Na ₂ B ₄ O ₇ ·10H ₂ O	3,5	20	1.030		2.2	A	C	A	C	A	A		A	A	A	A	A	A	A	A	A	C		A			
Borax (Sodium tetraborate)	Na ₂ B ₄ O ₇ ·10H ₂ O	100	20	2.370			A	C	A	C	A	A		A	A	A	A	A	A	A	A	A	C		A			
Borax (Sodium tetraborate)	Na ₂ B ₄ O ₇ ·10H ₂ O	100	40				A	C	A	C	A	A		A	A	A	A	A	A	A	A	B	C		A			
Borax (Sodium tetraborate)	Na ₂ B ₄ O ₇ ·10H ₂ O	100	60				A	C	A	C	A	A		A	A	A	A	A	A	A	A	C	C		A			
Borax (Sodium tetraborate)	Na ₂ B ₄ O ₇ ·10H ₂ O	100	80				A	C	A	C	A	A		A	A	A	A	A	A	A	A	D	C		A			
Bordeaux mixture		100	20					D						A						A	A	A						
Boric acid, saturated	H ₃ BO ₃ , B(OH) ₃	10	20	1.010							A	A			A	A	A	A	A	A	A	A	A	A	A			
Boric acid, saturated	H ₃ BO ₃ , B(OH) ₃	50	20								A	A			A	A	A	A	A	A	A	A	A	A	A			
Boric acid, saturated	H ₃ BO ₃ , B(OH) ₃	100	20	1.435			B	B	D	D	A	A		B	A	A	A	A	A	A	A	A	A	A	A	A		A
Boric acid, saturated	H ₃ BO ₃ , B(OH) ₃	100	80				B	B	D	D	A	A		B	A	B	A	A	A	A	B	B	A	A	A			
Borofluoric acid	HBF ₄	100	20	1.220				D				B		C	A	A	A	A	A	A	A	A	A			A		
Borofluoric acid	HBF ₄	100	80					D				B		C	A	A	B	A	A	A	B	A	A					
Boron trichloride	BCl ₃	100	20	1.430				D					A				A	A	A					A		A		A
Boron triethyl hydrate	(C ₂ H ₅) ₃ B	100	20									A			A					A								
Boron trifluoride	(C ₂ H ₅) ₃ B	100	20															A	A					A				
Brake fluid		100	20				A		A					A	A							D	A					
Brandy		100	20														A	A				A						
Brass, plating solution		100	20								A	A		A	A	A	A	A	A	A	A	A	A					
Brass, plating solution		100	80								A	A		A	A	B	A	A	A			A	A					
Brawn		100	20											A									A					
Brewery dregs (Brevvery slop)		100	20				A		A					A	A					A		A	A					
Brine		100	20				A		D					A	A	A	A	A	A	A	A	A	A					
Brine		100	60				A		D					A	A	A	A	A	A	A	A	B	A					
Brine		100	80				A		D					A	A	A	A	A	A	A	B	A						

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Bromic acid, pure	HBr	100	20				D	D	D			A		D	A	A	D	A	A	A	A	D	C					
Bromine trifluoride	BrF ₃	100	20					D						B						D	D	D	D					
Bromine water, saturated		100	20					D						B		C	C	A	A	A	D	D	B					
Bromine water, saturated		100	40					D						B			D	A	A	A	D	D	B					
Bromine water, saturated		100	80					D						B			D	B			D	D	B					
Bromine, anhydrous	Br ₂	100	20	3.102	0.32	23.3	D	D		D	A	A		D	C	D	A	A	A	A	D	D	D					
Bromine, aqueous	Br ₂	100	20				D	D	D		A	D		D			A	A	A	A	D	D	D			A		
Bromine, fluid	Br ₂	100	20	3.190				A		D	A	A		D			A	A	A	A	D	D	D		D	D		
Bromine, vapor	Br ₂	25	20														D	A	A	A	D	D	D					
Bromine, vapor	Br ₂	25	80														D	B			D	D	D					
Bromine, vapor	Br ₂	100	20																									
Bromobenzene	C ₆ H ₅ Br	100	20	1.500				A				A		A			A	A		A	D	D	D			A		
Bronze, plating solution		100	20											A	A	A	A			A	A	A	A					
Bunker oil		100	20					A						A				A		A	D	A						
Butadiene-1,3, gas	CH ₂ =CHCH=CH ₂ , (CH ₂) ₂ (CH) ₂	100	20	0.620	0.3	150		A						A	A	A	A	A	A	A	D	B	B					
Butadiene-1,3, gas	CH ₂ =CHCH=CH ₂ , (CH ₂) ₂ (CH) ₂	100	40					A						A	A	A	A	A	A	A	D	C	B					
Butanal (i)	(CH ₃) ₂ CHCHO	100	20	0.790		15.3																						
Butane (n), gas	C ₄ H ₁₀ , CH ₃ CH ₂ CH ₂ CH ₃	100	20	0.580	0.1	800	A	A	A	B	B			A	A	A	A	A	A	A	D	C	A	A	A			
Butane diol	HOCH ₂ CH ₂ CH ₂ CH ₂ OH	10	20					A				A		A			A		A	A	D	A						
Butter		100	20		100000		D		D					A	A			A		A	A	A	C		C			
Butter milk		100	20				D		D					A	A		A			A		A	A					
Butyl acetate (i), pure	CH ₃ COOCH ₂ CH(CH ₃) ₂	100	20	0.870		1.2	A	A	A	B	A	A		A	A	C	C	A	A	D	B	D	D		C	A		A
Butyl acetate (n), pure	CH ₃ COOC ₄ H ₉ , C ₄ H ₉ CO ₂ CH ₃	100	20	0.883		1.2	A	A	A	B	A	A		A	A	C	C	A	A	D	B	D	D	A	C	A		A
Butyl acetate (n), pure	CH ₃ COOC ₄ H ₉ , C ₄ H ₉ CO ₂ CH ₃	100	40				A	B	A	B	A	B		C	A		D	B	A	D	C	D	D	A	C			
Butyl acetate (n), pure	CH ₃ COOC ₄ H ₉ , C ₄ H ₉ CO ₂ CH ₃	100	60				A	B	A	B	A	B		C	A		D	D	A	D	D	D	D	A	C			
Butyl acetate (n), pure	CH ₃ COOC ₄ H ₉ , C ₄ H ₉ CO ₂ CH ₃	100	80				A	B	A	B	A	B		C	A		D	D	B	D	D	D	D	C				
Butyl acetate (Sec), pure	CH ₃ COOCH(CH ₃)C ₂ H ₅	100	20	0.870		2.5	A	A	A	B	A	A		A	A	C	C	A	A	D	B	D	D	C	A		A	
Butyl acetate (Sec), pure	CH ₃ COOCH(CH ₃)C ₂ H ₅	100	20																A	A	C	B						
Butyl acrylate, pure	CH ₂ =CHCOOC ₄ H ₉	100	20	0.900		0.48										D	D	A	A	D	A	D						
Butyl acrylate, pure	CH ₂ =CHCOOC ₄ H ₉	100	40													D	D	B	A	D	A	D						
Butyl acrylate, pure	CH ₂ =CHCOOC ₄ H ₉	100	60													D	D	C	A	D		D						
Butyl acrylate, pure	CH ₂ =CHCOOC ₄ H ₉	100	80													D	D	D		D		D						
Butyl acrylate, saturated	CH ₂ =CHCOOC ₄ H ₉	100	20																	D	A	D						
Butyl alcohol (Butanol), pure	C ₄ H ₉ OH	100	20	0.810	1.2	0.9	A	B	D	C	A	A		A	A	A	A	A	A	B	A	B	A		C	A		
Butyl alcohol (Butanol), pure	C ₄ H ₉ OH	100	60				A	B	D	C	A	A		A	A	A	A	A	A	C	A	B	A		C			
Butyl alcohol (Butanol), pure	C ₄ H ₉ NH	100	80				A	B	D	C	A	A		A	A	B	A	A	A		A	A		c				
Butyl amine, saturated	C ₄ H ₉ NH	100	20	0.750		9.3		A						A		D	D	B	A	A	D	A	D					
Butyl amine, saturated	C ₄ H ₉ NH	100	40					A						A		D	D	D	A		D							

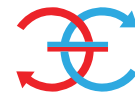
Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrek	Carbon	Silicon	Ceramic	
Butyl benzoate		100	20					B						B					A	A	B		D						
Butyl bromid, pure	C6H9-Br	100	20															A	A										
Butyl carbitol	C4H9OCH2CH2OCH2CH2OH	100	20	0.960		0.6													A	A	A	A	B						
Butyl cellosolve, pure	C4H9OCH2CH2OH	100	20	0.900														A	A	D		D	B						
Butyl cellosolve, pure	C4H9OCH2CH2OH	100	60															B	A	D		D	B						
Butyl cellosolve, pure	C4H9OCH2CH2OH	100	80															C	A	D		D	B						
Butyl chloride	C4H10-nCl	100	20	0.890				A				A		D			A	A	A							A			
Butyl diol		100	20															A	A	A	A	A							
Butyl ether	CH3COOC4H9	100	20	0.880		1.2										D	D	A	A	D	D	B	D	A					
Butyl ether	ch3cooC4H9	100	60													D	D	C	A	D	D								
Butyl ether	ch3cooC4H9	100	80													D	D	D		D	D								
Butyl glycol	C4H9OCH2CH2OH, C6H14O2	100	20	0.900				A				A		A			A	A								A			
Butyl glycolate	ch2oHcooc4H9	100	20	1.010		0.13																							
Butyl hydroperoxide	(CH3)3COOH	100	20	0.860																									
Butyl lithium	C4H9Li	100	20																										
Butyl mercaptan, pure		100	20															A	A	A		D	D						
Butyl oleate		100	20																	A	C		D						
Butyl peracetate	CH3C(=O)OC(CH3)3	100	20	0.920																									
Butyl perbenzoate	C6H5COOOC(CH3)3	100	20	1.030																									
Butyl phenol	HOC6H4C(CH3)3	100	20					A						A			A	A	A	D		D				A			
Butyl phthalate		100	20					A				A		A			A	A	A	B	B	D				A			
Butyl phthalate		100	40					A				A		A			A	B	A	B		D							
Butyl phthalate		100	60					A				A		A			A	C		D		D							
Butyl phthalate		100	80					A				A		A				D		D		D							
Butyl stearate, pure		100	20					B						B				A	A	A	C	B							
Butyl stearate, pure_		100	60					B						B				A	A	A		C							
Butylene	C4H8	100	20	0.620			D	A						A	A	A	D	A	A	A	D	A	C			A			
Butylene	C4H8	100	80				D	A						A	A	A	D	A	A	B	D	A	C						
Butylene glycol	HO-CH2-CH=CH-CH2-OH	100	20	1.010																									
Butyraldehyde (n)	C3H7CHO, CH3(CH2)2CHO	100	20	0.800		12	D		A					D	A					C	C	C	D						
Butyric acid, pure	C3H7COOH, C4H8O2	20	20	0.880			A	A			B	A		B	A	D	A	A	A	A	A	D	A	A	C	A			
Butyric acid, pure	C3H7COOH, C4H8O2	100	20	0.960			A	A	D	D	B	A		B	A	D	A	A	A	B	B	D	D		C	A		A	
Butyric acid, pure	C3H7COOH, C4H8O2	100	40				A		D	D	B	A		B	A	D	A	A	A	C		D	D		C				
Butyric acid, pure	C3H7COOH, C4H8O2	100	60				A		D	D	B	A		B	A	D	A	A	A	D		D	D		C				
Cadmium chloride	CdCl2	50	20	1.680				D				A		A			A	A	A							A			
Cadmium nitrate	Cd(NO3)2	50	20	1.640													A	A											
Cadmium sulphate	CdSO4	40	20	1.550				A				A		A			A	A	A							A			A

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Cadmium, plating solution		100	20								A				A	A	D	A	A	A	A	A						
Cadmium, plating solution		100	80								A				A	B	D	A	A			A	A					
Caffeine citrate		100	20															A	A									
Calcium	Ca	100	20																									
Calcium acetate, saturated	Ca(C ₂ H ₃ O ₂) ₂ ·2H ₂ O	100	20					C						B		A	A	A	A	A	A	A	B					
Calcium acetate, saturated	Ca(C ₂ H ₃ O ₂) ₂ ·2H ₂ O	100	80					C						B		B	B	A	A	A	A		B					
Calcium bisulphate	Ca(HSO ₄) ₂	100	20				C		D					A	A								A					
Calcium bisulphide, saturated		100	20				C							B	A	A	A	A	A	A	D	A	A					
Calcium bisulphide, saturated		100	40				C							B	A	A	A	A	A	A	D	B	A					
Calcium bisulphide, saturated		100	80				C							B	A		A	A	A	B	D		A					
Calcium bisulphite, saturated	Ca(HSO ₃) ₂	25	25	1.040				A		D		A		B		A	A	A	A	A	A	A	A					
Calcium bisulphite, saturated	Ca(HSO ₃) ₂	100	20	1.400				A		D		A		B		A	A	A	A	A	B	A	A			A		A
Calcium bromide	CaBr ₂	50	20	1.640													A	A								A		
Calcium carbide	CaC ₂	100	20	2.220																								
Calcium carbonate, saturated	CaCO ₃	100	20								A	A		A	A	A	A	A	A	A	A	A	A					
Calcium carbonate, saturated	CaCO ₃	100	60								A	A		A	A	A	A	A	A	A	A	B	A					
Calcium chlorate, saturated	Ca(ClO ₃) ₂	100	20											A		A	A	A	A	A	A	C				A		A
Calcium chloride	CaCl ₂ +6H ₂ O, CaCl ₂	40	20	1.400			A	D	C	C	B	A		B	A	A	A	A	A	A	A	A	A		A	A		A
Calcium chloride, saturated	CaCl ₂ +6H ₂ O, CaCl ₂	100	20				A	D	C	C	B	A		B	A	A	A	A	A	A	A	A	A		A			
Calcium chloride, saturated	CaCl ₂ +6H ₂ O, CaCl ₂	100	60				A	D	C	C	B	A		B	A	A	A	A	A	A	A	B	A		A			
Calcium cyanide	Ca(CN) ₂	100	20																									
Calcium hydroxide	Ca(OH) ₂	0,15	20	1.000			D	D	A	C	A	A		A	A	A	A	A	A	A	A	A	A			A		A
Calcium hydroxide	Ca(OH) ₂	5	25	1.060			D	D	A	C	A	A		A	A	A	A	A	A	A	A	A	A					
Calcium hydroxide, saturated	Ca(OH) ₂	100	20				D	D	A	C	A	A		A	A	A	A	A	A	A	A	A	A					
Calcium hydroxide, saturated	Ca(OH) ₂	100	80				D	D	A	C	A	A		A	A	B	A	A	A	A	A	C	A					
Calcium hypochlorite, saturated	Ca(ClO) ₂	100	20	2.100			D	D	D			A		D	A	A	A	A	A	A	B	c	D		C	A		A
Calcium hypochlorite, saturated	Ca(ClO) ₂	100	60				D	D	D			A		D	A	B	B	A	A	A			D		C			
Calcium hypochlorite, saturated	Ca(ClO) ₂	100	80				D	D	D			A		D	A		C	A	A				D		C			
Calcium nitrate	Ca(NO ₃) ₂	50	20	1.480				A				A		A		A	A	A	A	A	A	A	A			A		A
Calcium nitrate, saturated	Ca(NO ₃) ₂	100	20					B						B		A	A	A	A	A	A	A	A					
Calcium oxide (Burnt lime)	CaO	100	20	3.370			A		A					A	A	A				A	A	A	A		C			
Calcium permanganate	Ca(MnO ₄) ₂	100	20					A									A	A	A									
Calcium sulphate	CaSO ₄	50	20	1.490			A	A	A	C	B	B		A	A	A	A	A	A	A	A	A	D			A		A
Calcium sulphate, saturated	CaSO ₄	100	20				A		A	C	B	B		B	A	A	A	A	A	A	A	A	D					
Calcium sulphate, saturated	CaSO ₄	100	80				A		A	C	B	B		B	A	A	A	A	A	A	A	B	D					
Calcium sulphide, saturated	CaS	100	20	2.800				A						A			A	A	A	A	A	A	A			A		
Calcium sulphide, saturated	CaS	100	80					A						A			A	A	A	A	A	B	A					



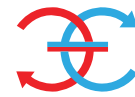
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Calcium sulphite	CaSO3	100	20					A						A			A	A	A							A		A
Calgon (Sodium hexametaphosphate)	(NaPO3)6	100	20				C		D					A	A					A		A	A					
Campher	C10H16O	100	20	0.990			A					A		A			A		A	D		A				A		
Cane sugar liquor	C12H22O11	100	20				A	A	A			B		A	A	A	A	A	A	A	A	A	A		C			
Cane sugar liquor	C12H22O11	100	80				A	A	A			B		A	A		A	A	A	A	A	B	A		C			
Capric acid-n	CH3(CH2)8CO2H	100	20					A				A		A			A	A	A							A		
Capronic acid	CH3(CH2)4CO2H	100	20	0.930			A					A		A			D	A	A							A		A
Capronic nitrile-n	CH3(CH2)4CN	100	20												A								D					
Capryl alcohol	CH3CHOH(CH2)5CH3	100	20	0.820		0.03		A				A		A					A							A		
Caprylic acid, pure	CH3(CH2)6CO2H	100	20	0.920				A				A					D	A	A							A		
Carbamate (Carbamido)		100	20																	A	C	C	B					
Carbamide (Urea)	(H2N)CO(NH2)	50	20	1.115																								
Carbamide (Urea)	(H2N)CO(NH2)	100	20	1.320			C	A	A			A		A	A	A	A	A	A	A	A	A	D			A		
Carbaryl	C10H7OCONHCH3	100	20																									
Carbide slurry		100	20														A	A										
Carbitol	C2H5OCH2CH2OCH2CH2OH	100	20	0.990				B						B					A	A	A	A	B					
Carbitol	C2H5OCH2CH2OCH2CH2OH	100	40					B						B					A	B		C	B					
Carbitol	C2H5OCH2CH2OCH2CH2OH	100	60					B						B					A	C			B					
Carbon dioxide, dry	co2	100	20				A	A	D		A			A	A	A	A	A	A	A	A	A	A					
Carbon dioxide, dry	co2	100	80				A	A	D		A			A	A	A	A	A	A	A	A	A	B	A				
Carbon dioxide, wet	co2	100	20				A	A	D		A			A	A	A	A	A	A	A	A	A	A					
Carbon dioxide, wet	co2	100	80				A	A	D		A			A	A	A	A	A	A	A	A	B	A					
Carbon disulphide, pure	cs2	100	20	1.260		39.9	D	A	A	B		A		A	A	C	D	A	A	A	D	C	D	A	C			
Carbon disulphide, pure	cs2	100	40				D	A	A	B		A		A	A	C	D		A	B	D	C	D	A	C			
Carbon disulphide, pure	cs2	100	60				D	A	A	B		A		A	A	D	D		A	C	D	D	D		C			
Carbon disulphide, pure	cs2	100	80				D	A	A	B		A		A	A	D	D		A	D	D	D	D		C			
Carbon monoxide, gas	co	100	20				C	A	D		A			A	A	A	A	A	A	A	A	A	A		A			
Carbon monoxide, gas	co	100	80				C	A	D		A			A	A	A	A	A	A	A	A	B	A		A			
Carbon tetrachloride, pure	ccl4	100	20	1.590	0.6	12	B	B	C	D	B	A		A	A	C	D	A	A	B	D	D	D	C	D	A		
Carbon tetrachloride, pure	ccl4	100	40				B	B	C	D	B	A		A	A	D	D	A	A		D	D	D	C	D			
Carbonated water		100	20				C							A	A	A	A			A		A						
Carbonic acid, saturated	H2CO3	100	20				A	D	D		A	A		A	A	A	A	A	A	A	A	A	A		C	A		A
Carbonic acid, saturated	H2CO3	100	80				A	D	D		A	A		A	A	B	B	A	A	A	A	B	A		C			
Carnallite lye	MgCl2+KCl	100	20					D				A		A			A									A		A
Casein		100	20															A	A	A	A							
Castor oil, pure		100	20	0.960	600		A	A	A					A	A	A	A	A	A	A	A	A	A			A		
Caustic potash (Potassium hydroxide)	KOH	20	20	1.190			D	D	C			B		B	A	A	A	A	A	D	A	B	D			A		A

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Caustic potash (Potassium hydroxide)	KOH	25	20				D	D	C			B		B	A	A	A	A	A	D	A	B	D			A		A
Caustic potash (Potassium hydroxide)	KOH	25	60				D	D	C			B		B	A	A	A	B	A	D	A	C	D			A		A
Caustic potash (Potassium hydroxide)	KOH	25	80				D	D	C			B		B	A	B	A	C	A	D	A	D	D			A		A
Caustic potash (Potassium hydroxide)	KOH	30	20	1.290		2.2	D	D	C			B		B	A	A	A	A	A	D	A	B	D			A		A
Caustic potash (Potassium hydroxide)	KOH	45	20	1.470			D	D	C			B		B	A	A	A	A	A	D	A	D	D			A		A
Caustic potash (Potassium hydroxide)	KOH	50	25	1.510		2.2	D	D	C			B		B	A	A	A	A	A	D	A	D	D			A		A
Caustic potash (Potassium hydroxide)	KOH	60	20	1.630			D	D	C			B		B	A	A	A	A	A	D	A	D	D			A		A
Caustic potash (Potassium hydroxide)	KOH	100	20	2.040																								
Cellosolve (Ethyl glycol)	C ₂ H ₅ OCH ₂ CH ₂ OH, C ₄ H ₁₀ O ₂	100	20	0.930		0.67		B						B			A	A	A	C	B	C			D	A		
Cellosolve (Ethyl glycol)	C ₂ H ₅ OCH ₂ CH ₂ OH, C ₄ H ₁₀ O ₂	100	40					B						B			A	A	A	D		D			D			
Cellosolve (Ethyl glycol)	C ₂ H ₅ OCH ₂ CH ₂ OH, C ₄ H ₁₀ O ₂	100	60					B						B				B	A	D		D			D			
Cellosolve (Ethyl glycol)	C ₂ H ₅ OCH ₂ CH ₂ OH, C ₄ H ₁₀ O ₂	100	80					B						B				C	A	D		D			D			
Cellosolve acetate (Ethyl glycol acetate)	CH ₃ COOC ₂ H ₄ OC ₂ H ₅	100	20	0.970		0.3												A		D		D						
Cellulose acetate		100	20					B		B				A				A										
Cellulose ether		100	20									A		A			A	A	A									
Cellulose glue		100	20				C							A	A		A			A		A	A					
Cellulose nitrate	C ₆ H ₇ O ₂ (OH) ₂ (ONO ₂)	100	20	1.660																								
Cetyl alcohol (Hexadecanol)	CH ₃ (CH ₂) ₁₅ OH	100	20	0.800				A				A		A				A								A		
Chlor trisodium phosphate		100	20											A	A					A		A	A					
Chloral	ccl3cHo	100	20	1.520		4.3																						
Chloral hydrate	CCL3-CH(OH)2	100	20					D				A					D	D	A	D		D				A		
Chlorepoxypropane	ocH2cHcH2cl	100	20												A					D		D	D					
Chlorethanoic sulfonic acid-B	clcH2cH2sO3H	100	20															A										
Chlorethanol (Ethylene chlorohydrin)	clcH2cH2sO3H	100	20																									
Chloric acid	HClO3	10	20					D				A		D			A	A	A	A		D				D		A
Chloric acid	HClO3	20	20					D				A		D			A	A	A	A		D						
Chloride of lime	Ca(ClO)2+4H2O	100	20	2.350			D	D	D					A	A		A	A	A	A		D	C			A		
Chloride of lime	CaOCl2	100	20				D	D	D					A	A		A	A	A	A		D	C			A		
Chlorinated glue		100	20				A		D					A	A					A	B	C	D					
Chlorinated hydrocarbons		100	20				A								A					D		A	D					
Chlorinated solvents		100	20																A	B	D	D						
Chlorine dioxide, pure	clO2	5	20					D				D		D				A	A							A		
Chlorine dioxide, pure	clO2	100	20	3.090				D						D		A	C	A	A	D	C	D	D					
Chlorine dioxide, pure	clO2	100	40					D						D		B	D	A	A	D	C	D	D					
Chlorine lye		100	20				A							A	A		D			A		C	A					
Chlorine trifluoride		100	20					A						A						D	D	D	D					
Chlorine water	Cl ₂ +H ₂ O	100	20					D				A		D		A	C	A	A	C	B	D				A		A



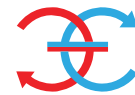
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Chlorine water	Cl ₂ +H ₂ O	100	40					D				A		D		A	D	A	A	D	C	D						
Chlorine water	Cl ₂ +H ₂ O	100	60					D				A		D		B	D	A	A	D		D						
Chlorine, dry	Cl ₂	100	20	1.410	0.4	650	D	A	C	B		A		A	B	A	C	A	A	B	B	D	D	A		A		A
Chlorine, dry	Cl ₂	100	80				D	A	C	B		A		A	B	B		A	A			D	D	A				
Chlorine, humid	Cl ₂	100	20	1.410	0.4	650	D	D	C			A		D	B	A	D	A	A	D	D	D	D	A		A		A
Chlorine, humid	Cl ₂	100	60				D	D	C			A		D	B	B	D	A	A	D	D	D	D	A				
Chlorine, humid	Cl ₂	100	80				D	D	C			A		D	B	C	D	A	A	D	D	D	D	A				
Chlorine, humid gas	Cl ₂	97	20														D	A	A	C	D	D	D	A				
Chlorine, liquid	Cl ₂	100	20																									
Chloroacetic acid (Monochloroacetic acid)	CH ₂ ClCO ₂ H	50	20				D	D	D		A	A		D	C	A	B	A	A	B	C	D	D	A	D			
Chloroacetic acid (Monochloroacetic acid)	CH ₂ ClCO ₂ H	50	40				D	D	D		A	A		D	C	B	B	A	A	D		D	D	A	D			
Chloroacetic acid (Monochloroacetic acid)	CH ₂ ClCO ₂ H	50	60				D	D	D		A	A		D	C	B	D	B	A	D		D	D		D			
Chloroacetic acid (Monochloroacetic acid)	CH ₂ ClCO ₂ H	85	20	1.360			D	D	D		A	A		D	D	A	A	A	A			D	D		D	A		A
Chloroacetic acid (Monochloroacetic acid)	CH ₂ ClCO ₂ H	98	20	1.360			D	D	D		A	A		D	D	A	A	A	A			D	D		D	A		A
Chloroacetic acid (Monochloroacetic acid)	CH ₂ ClCO ₂ H	100	20	1.580			D	D	D		A	A		D	D	A	A	A	A	D	B	D	D		D			
Chloroacetone	C ₃ H ₅ ClO, CH ₂ ClCOCH ₃	100	20	1.162			D	D	D					B	D					D	A	D	C					
Chloroacetyl chloride	CH ₂ ClCOCl	100	20			6.25																						
Chloroamine	NH ₂ Cl	100	20															D										
Chloroamine T	CH ₃ C ₆ H ₄ SO ₂ NCINa	100	20					D				A					D	A	A	D		A						A
Chlorobenzene, pure	C ₆ H ₅ Cl	100	20	1.110		1.20	A	A	D		B	A		A	A	D	B	A	A	A	D	D	D		D	A		
Chlorobenzene, pure	C ₆ H ₅ Cl	100	40				A	A	D		B	A		A	A	D	C	A	A		D	D	D		D			
Chlorobenzene, pure	C ₆ H ₅ Cl	100	60				A	A	D		B	A		A	A	D		B	A		D	D	D		D			
Chlorobenzene, pure	C ₆ H ₅ Cl	100	80				A	A	D		B	A		A	A	D		C	A		D	D	D		D			
Chlorobromomethane	ClCH ₂ Br	100	20				D	D	D					A	D				A	D		D						
Chlorobutadiene	CH ₂ CHClCH ₂	100	20				D		D					A	A					A	D	D	D					
Chlorocresol	C ₆ H ₃ ClOCH ₃	100	20									A		A			D											
Chlorodane	C ₁₂ H ₈ Cl ₆	100	20																									
ChlorodiDhenyl (Clophene)		100	20					A				A		A			D			A		D						
Chlorododecane		100	20																	A		D	D					
Chloroform, (Trichloromethane), pure	CHCl ₃	100	20	1.483	0.4	21	A	D	D	C		B		A	A	D	B	A	A	B	D	D	D	A	D	A		A
Chloroform, fTrichloromethane), pure	CHCl ₃	100	40				A	D	D	C		B		A	A	D	D	A	A		D	D	D	A	D			
Chloroform, (Trichloromethane), pure	CHCl ₃	100	60				A	D	D	C		B		A	A	D	D	B	A		D	D	D		D			
Chloroform, (Trichloromethane), pure	CHCl ₃	100	80				A	D	D	C		B		A	A	D	D	C	A		D	D	D		D			
Chlorohydrin	C ₃ H ₇ ClO ₂	100	20	1.320								A		A				A	A							A		
Chloromethane (Methyl chloride)	CH ₃ Cl	100	20																									
Chloromethyl	CH ₂ Cl	100	20	0.920				D				A		A			D	A	A	A		D			A			
Chloronaphtalene	C ₁₀ H ₇ Cl	100	20	1.190				A				A		A			D	A		A	D	D	D		A			
Chloronitrobenzene	C ₆ H ₄ NO ₂ Cl	50	20														D	A										

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Chloronitrobenzene	$C_6H_5NO_2Cl$	100	20	1.370		0.7																						
Chloropicrin	CCl_3NO_2	100	20	1.660		2.7	D		A					A	A					D		D	D					
Chlorosulphonic acid, pure	$HOCISO_2, HClSO_3$	100	20	1.766	4	0	D	D	D	B		B		D	C	D	D	C	A	D	D	D	D	A	D	D		A
Chlorosulphonic acid, pure'	$HOCISO_2, HClSO_3$	100	25	1.280			D	D	D	B		B		D	C	D	D	C	A	D	D	D	D	A	D	D		A
Chlorosulphonic acid, pure	$HOCSO_2, HClSO_3$	100	40				D	D	D	B		B		D	C	D	D	D	A	D	D	D	D	A	D			
Chlorotoluene	$Cl-C_6H_4-CH_3$	100	20	1.080				A				A		A			D	A	A	A		D	D			A		
Chlorox (Bleach)		100	20				A		D			A		A	A	A	D			A	B	B	A					
Chocolate, chocolate svrup		100	20				D		D					A	A					A		A	A					
Chrome alum	$KCr(SO_4)_2$	50	20	1.620				D				A		A		A	A	A	A	A	A	A						
Chrome alum, saturated	$KCr(SO_4)_2$	100	20					D				A		A		A	A	A	A	A	A	A						
Chrome alum, saturated	$KCr(SO_4)_2$	100	80					D				A		A				A	A	A	B	B						
Chrome, plating solution		100	20									A		B	C	A	D	A	A	A	C	A	A					
Chrome, plating solution		100	80									A		B	C	B	D	A	A	A	C	A	A					
Chromic acid	CrO_3	5	20				D	A	D	C	A	A			B	A	A	A	A	A	A	A	D	D	A	D		
Chromic acid	CrO_3	10	20	2.700			D	A	D	C		A			C	A	D	A	A	A	B	D	D	A	D	A		A
Chromic acid	CrO_3	10	40				D	A	D	C		A			C	A	D	A	A	B	C	D	D	A	D			
Chromic acid	CrO_3	10	60				D	A	D	C		A			C	A	D	A	A	B	D	D	D	A	D			
Chromic acid	CrO_3	20	20				D	A	D	C		A			C	A	D	A	A	B	B	D	D	A	D			
Chromic acid	CrO_3	20	40				D	A	D	C		A			C	A	D	A	A	B	D	D	D	A	D			
Chromic acid	CrO_3	20	80				D	A	D	C		A			C	B	D	A	A	C	D	D	D	A	D			
Chromic acid	CrO_3	25	20				D	A	D	C		A			C	A	D	A	A	B	B	D	D	A	D	A		A
Chromic acid	CrO_3	40	20				D	B	D	C		A			C	B	D	A	A	D	D	D	D	A	D			
Chromic acid	CrO_3	40	40				D	B	D	C		A			C	C	D	A	A	D	D	D	D	A	D			
Chromic acid	CrO_3	40	60				D	B	D	C		A			C	D	D	A	A	D	D	D	D	A	D			
Chromic acid	CrO_3	50	20				D	B	D	C	D	A			C	C	D	A	A	D	D	D	D	A	D			
Chromic acid	CrO_3	50	40				D	B	D	C	D	A			C	D	D	A	A	D	D	D	D	A	D			
Chromic acid	CrO_3	50	60				D	B	D	C	D	A			C	D	D	B	A	A	D	D	D	D	A	D		
Chromic acid	CrO_3	50	80				D	B	D	C	D	A			C	D	D	C	A	D	D	D	D	A	D			
Cutting oil		100	20						A					A	A					A		A	D					
Cutting oil containing sulfur		100	20						A					A	A					A		A	C					
Cutting oil water soluble		100	20				A		A					A	A					A			D					
Cyanbromide	$BrCN$	100	20	2.020		12.2																						
Cyanic acid	$CNOH$	100	20				D		D					A	A							C	D					
Cyanoacetic acid	$(CH_2CNC O_2H, CNCH_2COOH)$	100	20											A			A	A	A							A		
Cyanogen	$(CN)_2$	100	20																									
Cyclohexane, pure	$C_6H_{12}, (CH_2)_6$	100	20	0.779	1.3	10.4	A	A	A			A		A	A	D	C	A	A	A	D	B	D	A	A	A		
Cyclohexane, pure	$C_6H_{12}, (CH_2)_6$	100	40				A	A	A			A		A	A	D	D	A	A	A	D		D	A				
Cyclohexanol, pure	$C_6H_{11}OH, C_6H_{12}O$	100	20	0.960	70	0.1		C				A		A	A	D	A	A	A	A	B	C	A			A		



Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Cyclohexanol, pure	C ₆ H ₁₁ OH, C ₆ H ₁₂ O	100	40					C				A		A	A	D	B	A	A				A					
Cyclohexanol, pure	C ₆ H ₁₁ OH, C ₆ H ₁₂ O	100	60					C				A		A	A	D	C	A	A				A					
Cyclohexanol, pure	C ₆ H ₁₁ OH, C ₆ H ₁₂ O	100	80					C				A		A	A	D	D	A	A				A					
Cyclohexanone (Anon), pure	C ₆ H ₁₀ O, (CH ₂) ₅ CO	100	20	0.950	5	0.5		A				A		A	B	D	B	B	A	D	C	D	D	A		A		
Cyclohexanone (Anon), pure	C ₆ H ₁₀ O, (CH ₂) ₅ CO	100	40					A				A		A	B	D	C	C	A	D		D	D	A				
Cyclohexanone (Anon), pure	C ₆ H ₁₀ O, (CH ₂) ₅ CO	100	60					A				A		A	B	D	D	C	A	D		D	D	A				
Cyclohexanone (Anon), pure	C ₆ H ₁₀ O, (CH ₂) ₅ CO	100	80					A				A		A	B	D	D	D	A	D		D	D	A				
Cyclohexene	C ₆ H ₁₀	100	20	0.810																								
Cyclohexylamine	C ₆ H ₁₁ NH ₂	100	20	0.860		1.4																						
Cyclopentane	C ₅ H ₁₀	100	20	0.745	0.6	34.7																						
Cyclopropane	C ₃ H ₆	100	20																									
Decaborane	B ₁₀ H ₁₄	100	20	0.940																								
Decalin (Decahydronaphthalene), pure	C ₁₀ H ₁₈	100	20	0.880				A									C	A	A	A	D	D	D			A		
Decane (Capric acid), pure	CH ₃ (CH ₂) ₈ CO ₂ H	100	20															A	A	A	D	D	D					
Denatured alcohol		100	20					A						A				A	A	A	A	A	A					
Densodrin W		100	20															A				A						
Detergent solutions		100	20											A			A	A	A	A	A	A	A					
Detergents, synthetic		100	20					A		B				A			A	A	A	A	A	A	A					
Dextrin, saturated	(C ₆ H ₁₀ O ₅)-n	100	20					A				A		A		A	A	A	A	A	A	A				A		
Dextrin, saturated	(C ₆ H ₁₀ O ₅)-n	100	80					A				A		A		A	A	A	A	A	A	A	B					
Dextrose	C ₆ H ₁₂ O ₆	100	20					A		B				A		A	A	A	A	A	A	A			C			
Dextrose	C ₆ H ₁₂ O ₆	100	80					A		B				A		A	A	A	A	A	A	B			C			
Diacetone alcohol, pure	(CH ₃) ₂ COHCH ₂ COCH ₃	100	20	0.940		0.1	A	A	A		A	A		A	A		A	A	A	D	A	D	A		C			
Diacetone alcohol, pure	(CH ₃) ₂ COHCH ₂ COCH ₃	100	40				A	A	A		A	A		A	A		A	B	A	D		D	A		C			
Diacetone alcohol, pure	(CH ₃) ₂ COHCH ₂ COCH ₃	100	60				A	A	A		A	A		A	A			C	A	D		D	A		C			
Diacetone alcohol, pure	(CH ₃) ₂ COHCH ₂ COCH ₃	100	80				A	A	A		A	A		A	A			D	A	D		D	A		C			
Diacetone, pure	(CH ₃) ₂ C(OH)CH ₂ COCH ₃	100	20	0.930		0.1		A						A				D	A	D	B	A						
Diamylamine	(C ₅ H ₁₁) ₂ NH	100	20	0.780																								
Diazo salt solution		100	20					D						A			A		A							A		
Dibenzyl ether, pure	(C ₆ H ₅ CH ₂) ₂ O	100	20				D	B	D					A	A			A	A		C	D	D					
Dibenzyl ether, pure	(C ₆ H ₅ CH ₂) ₂ O	100	40				D	B	D					A	A			B	A			D	D					
Dibenzyl ether, pure	(C ₆ H ₅ CH ₂) ₂ O	100	60				D	B	D					A	A			C	A			D	D					
Dibenzyl ether, pure	(C ₆ H ₅ CH ₂) ₂ O	100	80				D	B	D	1				A	A			D	A			D	D					
Dibenzyl sebecate		100	20																	B	C		D		A			
Diborane	B ₂ H ₆	100	20	0.460																								
Dibutyl amine, pure		100	20															A	A	D	D	D	D					
Dibutyl amine, pure		100	40															C	A	D	D	D	D					
Dibutyl amine, pure		100	60															D	A	D	D	D	D					

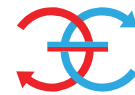
Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic	
Dibutyl aniline	C ₆ H ₅ N(C ₄ H ₉) ₂	100	20	0.940																									
Dibutyl ether, pure	C ₈ H ₁₈ O, CH ₃ (CH ₂) ₃ O(CH ₂) ₃ CH ₃	100	20	0.770			D	B	D					A	A		D	A	A	D	D	B	D						
Dibutyl ether, pure	C ₈ H ₁₈ O, CH ₃ (CH ₂) ₃ O(CH ₂) ₃ CH ₃	100	40				D	B	D					A	A		D	B	A	D	D		D						
Dibutyl ether, pure	C ₈ H ₁₈ O, CH ₃ (CH ₂) ₃ O(CH ₂) ₃ CH ₃	100	60				D	B	D					A	A		D	C	A	D	D		D						
Dibutyl ether, pure	C ₈ H ₁₈ O, CH ₃ (CH ₂) ₃ O(CH ₂) ₃ CH ₃	100	80				D	B	D					A	A		D	D	A	D	D		D						
Dibutyl peroxide	(CH ₃) ₃ COOC(CH ₃) ₃	100	20	0.790		2.6																							
Dibutyl phthalate, pure	C ₆ H ₄ (C ₈ H ₇ O ₂) ₂	100	20	1.050				A				A		A			A	A	A	B	A	D	D		A	A			
Dibutyl phthalate, pure	C ₆ H ₄ (C ₈ H ₇ O ₂) ₂	100	40					A				A		A			A	B	A		A	D	D		A				
Dibutyl phthalate, pure	C ₆ H ₄ (C ₈ H ₇ O ₂) ₂	100	60					A				A		A			A	C	A			D	D		A				
Dibutyl phthalate, pure	C ₆ H ₄ (C ₈ H ₇ O ₂) ₂	100	80					A				A		A			A	D	A			D	D		A				
Dibutyl sebacate	C ₈ H ₁₆ (COOC ₄ H ₉) ₂	100	20											A			A	A	A	C	B	D	D		A				
Dibutyl sebacate	C ₈ H ₁₆ (COOC ₄ H ₉) ₂	100	40											A			A	B	A			D	D						
Dibutyl sebacate	C ₈ H ₁₆ (COOC ₄ H ₉) ₂	100	60											A			A	C	A			D	D						
Dibutyl sebacate	C ₈ H ₁₆ (COOC ₄ H ₉) ₂	100	80											A			A	D	A			D	D						
Dichlorodifluormethane (Freon 12)	cc12F2	100	20	1.320																									
Dichlorethane (Ethylene chloride)	cH2Cl-cH2cl	100	20	1.180		31.2																							
Dichloroacetic acid	CHCl2C02H, CHCl2-COOH	50	20														A	A	A	D		D							
Dichloroacetic acid	CHCl2C02H, CHCl2-COOH	100	20	1.560													A	A	A	D		D							
Dichloroacetic acid methyl ester	Cl2CHOOCH3	100	20														A	A	A	D		D							
Dichloroaniline	NH2C6H3Cl2	100	20																										
Dichlorobenzene, pure	C6H4Cl2	100	20	1.320				B						B	A		D	A	A	B	D	D	D	A	D	A			
Dichlorobenzene, pure	C6H4Cl2	100	80					B						B	A		D	B	A		D	D	D	A	D				
Dichlorobenzene-O, -P	C6H4Cl2	100	20	1.310				B						B	A		D	A	A	B	D	D	D	A	D	A			
Dichlorobenzene-O, -P	C6H4Cl2	100	80					B						B	A		D	B	A		D	D	D	A	D				
Dichloroethylene	CH2ccl2, C2H2Cl2	100	20	1.220		32		B		B		A					A	A	A	A	D	D	D			A			
Dichlorohydrine	(CH2Cl2)2CHOH	100	25	1.360																									
Diisopropyl ketone, pure	(CH3)2CHCOCH(CH3)2	100	40											A	A			D		D		D	D						
Diisopropyl peroxydicarbonate	(CH3)2CHOCOOCOCH(CH3)2	100	20	1.080																									
Dimethyl amine, aqueous	(CH3)2NH+H2O	40	25	0.890		28.6																							
Dimethyl amine, pure	(CH3)NH	100	20	0.650		171										D	A	B	A	D	A	D							
Dimethyl amine, pure	(CH3)2NH	100	40													D	B	C	A	D		D							
Dimethyl amine, pure	(CH3)2NH	100	60													D		D	A	D		D							
Dimethyl aniline, pure	C8H11N	100	20	0.957														B		D	D	D	D						
Dimethyl aniline, pure	C8H11N	100	40															C		D	D	D	D						
Dimethyl aniline, pure	C8H11N	100	60															D		D	D	D	D						
Dimethyl ethanolamine	(CH3)2NC2H4OH	100	20	0.890		0.6																							
Dimethyl ether	CH3OCH3	100	20	0.670		510		A				A		A			D		A	A		D				A		A	
Dimethyl formamide, pure¹	HCON(CH3)2, (CH3)2NCHO	100	20	0.950	10	0.35		A						A		D	A	D	A	D	B	D	C	A	A	A			



Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Dimethyl hydrazineunsymmetrical	(CH ₃) ₂ NNH ₂	100	25	0.780		20.9																						
Dimethyl phthalate		100	20					A						A				B	A	B	B	D	D					
Dimethyl phthalate		100	40					A						A				C	A			D	D					
Dimethyl phthalate		100	60					A						A				D				D	D					
Dimethyl sulfoxide	(CH ₃) ₂ SO, (C ₂ H ₆ SO)	100	20	1.100																								
Dimethyl sulphate	(CH ₃) ₂ SO ₄ , (CH ₃ O) ₂ SO ₂	100	20	1.330																								
Dinitroaniline	(NO ₂) ₂ C ₆ H ₃ NH ₂	100	20	1.610		1.3																						
Dinitrobenzene	C ₆ H ₄ (NO ₂) ₂	100	20	1.575		0.02																						
Dinitrochlorobenzene	C ₆ H ₃ (NO ₂) ₂ Cl	100	20	1.680																								
Dinitrotoluene	CH ₃ C ₆ H ₃ (NO ₂) ₂ , (NO ₂) ₂ C ₆ H ₃ CH ₃	100	20	1.520										A	A					C	D	D	D					
Dinonyl phthalate	C ₆ H ₄ (COOC ₉ H ₁₉) ₂	100	20														A		A	D		D						
Diocetyl phthalate	C ₆ H ₄ (COOC ₈ H ₁₇) ₂	100	20	0.980				A						A			A	A	A	A	A	B	D		A			
Diocetyl phthalate	C ₆ H ₄ (COOC ₈ H ₁₇) ₂	100	40					A						A			A	B	A				D					
Diocetyl phthalate	C ₆ H ₄ (COOC ₈ H ₁₇) ₂	100	60					A						A			A	C	A				D					
Diocetyl phthalate	C ₆ H ₄ (COOC ₈ H ₁₇) ₂	100	80					A						A				D	A				D					
Diocetyl sebacate		100	20												A					C	C	D	D					
Dioxane (Diethylene dioxide), pure	O(C ₂ H ₄) ₂ O, O2(CH ₂) ₄	100	20	1.030		4.1		B				A		A			B	C	A	D	D	D	D	A		A		
Dioxane (Diethylene dioxide), pure	O(C ₂ H ₄) ₂ O, O2(CH ₂) ₄	100	40					B				A		A			C	C	A	D	D	D	D					
Dioxane (Diethylene dioxide), pure	O(C ₂ H ₄) ₂ O, O2(CH ₂) ₄	100	60					B				A		A				D	A	D	D	D	D					
Dioxolane		100	20															D		D	D	D						
Dipentene (Limonene)	C ₁₀ H ₁₆	100	25	0.850				A						A					A	A	D	B						
Diphenyl	(C ₆ H ₅) ₂ , c12h10	100	20	1.040				A				A		A				A	A	A	D	D				A		
Diphenyl amine	(C ₆ H ₅) ₂ NH	100	20					A						A	A					D	B	B						
Diphenyl ether	C ₆ H ₅ -O-C ₆ H ₅	100	20					A						A					A									
Diphenyl oxide, saturated	(C ₆ H ₅) ₂ O	100	20					A	A	A		A		A	A				A	A	D	D	D			A		
Diphenylen oxide	C ₁₂ H ₈ O, C ₆ H ₄ OC ₆ H ₄	100	20	1.070		0.03																						
Disodium phosphate		100	20													A		A	A									
Distillery wort		100	20					A		C				A	A								A					
Dovvtherm oil		100	20						C					A					A	A	D	D	D					
Dry cleaning fluid		100	20					A						A					A	A		C	D					
Endrine	C ₁₂ H ₈ OCl	100	20																									
Epichlorohydrin, pure	OCH ₂ CHCH ₂ Cl	100	20	1.180	1	1.7		A						A	A	D	A	C	A	D	D	D	D		D			
Epichlorohydrin, pure	OCH ₂ CHCH ₂ Cl	100	40					A						A	A	D	A	D	A	D	D	D	D		D			
Epsom salt (Magnesium salt), saturated	MgSO ₄ +7H ₂ O	100	20	1.280				A			A	B		A	A	A		A	A	A	A	A	A					
Esters		100	20																A	A								
Esters		100	40																B	A								
Esters		100	60																C	A								
Esters		100	80																D	A								

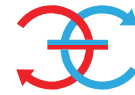


Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Ethane	C_2H_6 , CH_3CH_3	100	20					A		C	A			A	A			A	A	A	D	A	D					
Ethanol (Ethyl alcohol), pure	C_2H_5OH	96	20	0.790			A	B	A	B	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A		
Ethanol (Ethyl alcohol), pure	C_2H_5OH	96	60				A	B	A	B	A	A		A	A	B	B	A	A	A	A	A	A	A	A			
Ethanol (Ethyl alcohol), pure	C_2H_5OH	100	20	0.790	5	8	A	B	A	B	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A		A
Ethanol (Ethyl alcohol), pure	C_2H_5OH	100	40				A	B	A	B	A	A		A	A	B	A	A	A	A	A	A	A	A	A			
Ethanol (Ethyl alcohol), pure	C_2H_5OH	100	60				A	B	A	B	A	A		A	A	B	B	A	A	A	A	A	A	A	A			
Ethanol (Ethyl alcohol), pure	C_2H_5OH	100	80				A	B	A	B	A	A		A	A	C	B	A	A	A	A	A	B	A	A			
Ethanolamine, pure	$NH_2CH_2CH_2OH$	100	20	1.020	100-200			A						A	A	D	A	D	A	D	A	A	B	A				
Ether (Ethyl ether), pure	$C_2H_5OC_2H_5$, $(C_2H_5)_2O$	100	20	0.710	1.4	59	A	A	C	C		A		A	A	D	C	A	A	C	C	B	D	C	D	A		A
Ether (Ethyl ether), pure	$C_2H_5OC_2H_5$, $(C_2H_5)_2O$	100	40				A	A	C	C		A		A	A	D	C	B	A			D	C	D				
Ether (Ethyl ether), pure	$C_2H_5OC_2H_5$, $(C_2H_5)_2O$	100	60				A	A	C	C		A		A	A	D	D		A			D		D				
Ether diethylene	C_2H_4O	100	20	0.870		150																						
Etheral oils		100	20					A				A		A			B		A	A		D						A
Ethyl acetate, pure	$CH_3COOC_2H_5$, $CH_3COOCH_2CH_3$	100	20	0.902	0.5	9.7	A	A	A	C		B		A	A	D	B	A	A	D	B	D	D	A	B	A		A
Ethyl acetate, pure	$CH_3COOC_2H_5$, $CH_3COOCH_2CH_3$	100	40				A	A	A	C		B		A	A	D	B	B	A	D		D	D	A				
Ethyl acetate, pure	$CH_3COOC_2H_5$, $CH_3COOCH_2CH_3$	100	60				A	A	A	C		B		A	A	D	C	C	A	D		D	D	A				
Ethyl acetate, pure	$CH_3COOC_2H_5$, $CH_3COOCH_2CH_3$	100	80				A	A	A	C		B		A	A	D		D	A	D		D	D					
Ethyl acetoacetate, pure	$CH_3COCH_2COOC_2H_5$	100	20	1.030				A										A	A	D	A	D	C					
Ethyl acetoacetate, pure	$CH_3COCH_2COOC_2H_5$	100	40					A										B	A	D	A	D	C					
Ethyl acetoacetate, pure	$CH_3COCH_2COOC_2H_5$	100	60					A										C	A	D		D	C					
Ethyl acetoacetate, pure	$CH_3COCH_2COOC_2H_5$	100	80					A										D	A	D		D	C					
Ethyl acrylate, pure	$CH_2=CHCOOC_2H_5$, $C_5H_8O_2$	100	20	0.920	11	3.9		A		C				A	A			A	A	D	B	D	D					
Ethyl acrylate, pure	$CH_2=CHCOOC_2H_5$, $C_5H_8O_2$	100	40					A		C				A	A			B	A	D		D	D					
Ethyl acrylate, pure	$CH_2=CHCOOC_2H_5$, $C_5H_8O_2$	100	60					A		C				A	A			C	A	D		D	D					
Ethyl acrylate, pure	$CH_2=CHCOOC_2H_5$, $C_5H_8O_2$	100	80					A		C				A	A			D	A	D		D	D					
Ethyl amine	$C_2H_5NH_2$, $CH_3-CH_2-NH_2$	100	20	0.689		120																				A		
Ethyl aniline	$C_2H_5NH(C_6H_5)$	100	20	0.960																								
Ethyl benzene	$C_6H_5C_2H_5$	100	20	0.870		0.9		A				A		B			D	A	A	A	D	C	D			A		A
Ethyl benzoate		100	20					A						A					A	A	C							
Ethyl bromide	CH_3-CH_2-Br	100	20	1.460		53																						
Ethyl carbinol	$CH_3CH_2CH_2OH$, C_3H_7OH	100	20	0.803	3	2.8																						
Ethyl cellulose		100	20					B						B					A	D	B	B						
Ethyl chloride	CH_3CH_2Cl , C_2H_5Cl	100	20	0.920	0.9	135	A	D	C	D	B	B		A	A	D	C	A	A	A	A	B	C		D	A		A
Ethyl chloride	CH_3CH_2Cl , C_2H_5Cl	100	40				A	D	C	D	B	B		A	A	D	D	A	A	A	A	C			D	A		
Ethyl chloride	CH_3CH_2Cl , C_2H_5Cl	100	80				A	D	C	D	B	B		A	A	D	D	A	A	B		C		D	A			
Ethyl chlorocarbonate	$ClCOOC_2H_5$	100	20	1.140		5.5													A	A		C						
Ethyl chloroformate	$ClCOOC_2H_5$	100	20	1.140		5.5													A	D	B	D	C					
Ethyl diglycol	$HCO_2C_2H_5$	100	20	0.990		0.02																						



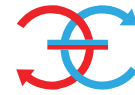
Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic	
Ethyl formate, pure	Hco ₂ C ₂ H ₅	100	20	0.920		25.6		C						B					A	A	C	D	B						
Ethyl hexaldehyde	C ₄ H ₉ CH(C ₂ H ₅)CHO	100	20	0.900		0.1																							
Ethyl hexanol	C ₄ H ₉ CH(C ₂ H ₅)CH ₂ OH, C ₈ H ₁₈ O	100	20	0.830														A	A			D							
Ethyl hexylamine	C ₄ H ₉ CH(C ₂ H ₅)CH ₂ NH ₂	100	20	0.790																		D							
Ethyl mercaptan, pure	c ₂ H ₅ Sh	100	20	0.840				B						B				A	A	A	A	D							
Ethyl mercaptan, pure	C ₂ H ₅ SH	100	50			177		B						B					A	A		D							
Ethyl methyl ether	CH ₃ OC ₂ H ₅	100	20																A					A					
Ethyl nitrite	C ₂ H ₅ ONO	100	20																										
Ethyl oxalate		100	20					A											A	D	A	D	C						
Ethyl pentachlorobenzene		100	20																A	A		C	D						
Ethyl silicate	(OC ₂ H ₅) ₄ Si	100	20	0.935		0.27		B						A					A	A	A	A	A						
Ethyl sulphate	(C2H5)2S04	100	20	1.180										D	A					A		A							
Ethyl sulphuric acid	C ₂ H ₅ OSO ₃ H	100	20	1.320				D				A						A								A		A	
Ethyl trichlorosilane	C2H5SiCl3	100	15	1.240		2.7																							
Ethylene (Ethene)	c2h4, ch2=ch2	100	20	0.410				A						A				A	A	A	C	A							
Ethylene bromide, pure	C2H4Br2, CH2BrCH2Br	100	20	2.180		1.2		A		B		A		A			D	A	A	C	B	D	D	A		A		A	
Ethylene chloride (Dichlorethane)	CH ₂ ClCH ₂ CL	100	20	1.260				A	C			B	B	A	A		B	A	A	A	D	D	D			A		A	
Ethylene chloride (Dichlorethane)	CH ₂ ClCH ₂ CL	100	30			8.7		A	C			B	B	A	A		D	A	A		D	D	D			A			
Ethylene chloride (Dichlorethane)	CH ₂ ClCH ₂ CL	100	40					A	C			B	B	A	A		D	A	A		D	D	D			A			
Ethylene chlorohydrin, pure	CH ₂ ClCH ₂ CL	100	20	1.210		0.65		A				A		A			A	A	A	D	A	D	B	C		A		A	
Ethylene chlorohydrin, pure	CH ₂ ClCH ₂ CL	100	40					A				A		A				B	A	D		D	B	C					
Ethylene chlorohydrin, pure	CH ₂ ClCH ₂ CL	100	60					A				A		A				C	A	D		D	B						
Ethylene chlorohydrin, pure	CH ₂ ClCH ₂ CL	100	80					A				A		A				D	A	D		D	B						
Ethylene cyanohydrin	CH2(OH)CH2CN	100	20	1.060																									
Ethylene diamine, pure	NH ₂ CH ₂ CH ₂ NH ₂	100	20	0.900	1.5	1.4		D				A		A			A	B	A	D	A	A	A	A		A		A	
Ethylene diamine, pure	NH ₂ CH ₂ CH ₂ NH ₂	100	40					D				A		A			A	D	A	D			A	A					
Ethylene dichloride (Dichloroethane)	C ₂ H ₄ Cl	100	20	1.250	8			C	C	A		A	B	A	A	D	B	A	A	A	D	D	D		D				
Ethylene fluoride	CH ₃ CHF ₂	100	20	0.910																									
Ethylene glycol (Cellosolves), pure	C ₂ H ₄ (OH) ₂ , HOCH ₂ CH ₂ OH	100	20	1.110	18-90			A	A	A		A		A	A	A	A	A	A	A	A	A	A	A	A	A			
Ethylene glycol (Cellosolves), pure	C ₂ H ₄ (OH) ₂ , HOCH ₂ CH ₂ OH	100	80					A	A	A		A		A	A	B	B	B	A	A	A	A	A	A	A				
Ethylene oxide	(CH ₂) ₂ 0, CH ₂ OCH ₂	100	20	0.870	1.1	145		A	A	D				B	A	D	D	A	A	D	D	D	D	A	A	A			
Ethylene oxide	(CH ₂) ₂ 0, CH ₂ OCH ₂	100	40					A	A	D				B	A	D	D	B	A	D	D	D	D	A	A				
Ethylene oxide	(CH ₂) ₂ 0, CH ₂ OCH ₂	100	60					A	A	D				B	A	D	D	C	A	D	D	D	D	A	A				
Ethylene oxide	(CH2)20, ch2och2	100	80					A	A	D				B	A	D	D	D		D	D	D	D	A	A				
Ethylene trichloride	ClCH=Cl ₂	100	20	1.460		7.7		C						A						A	D	D	D						
Ethylenimine	NHCH ₂ CH ₂	100	20	0.830		22																							
Fat		100	20					A						A	A					A			D						
Fatty acid (Sebacic acid)	C1 ₇ H ₃₃ CO ₂ H	100	20	0.900				C	A	C	C	A	A	A	A	B	A	A	A	A	D	A	D		C				A

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Fatty acid (Sebacic acid)	C ₁₇ H ₃₃ CO ₂ H	100	40				C	A	C	C	A	A		A	A	B	B	A	A		D		D		C			
Fatty acid (Sebacic acid)	C ₁₇ H ₃₃ CO ₂ H	100	80				C	A	C	c	A	A		A	A		C	A	A		D		D		C			
Fatty alcohol		100	20					A				A		A			A	A	A	D		A				A		
Fatty alcohol sulphonates		100	20					D				A		A			A	A	A			A				A		
Ferric chloride, saturated	FeCl ₃	10	20	1.085		2.2	D	D	D		D	A		D	A	A	A	A	A	A	A	A	A		C			
Ferric chloride, saturated	FeCl ₃	50	20	1.550		0.7	D	D	D		D	A		D	A	A	A	A	A	A	A	A	A		C	A		A
Ferric chloride, saturated	FeCl ₃	100	20	2.800			D	D	D		D	A		D	A	A	A	A	A	A	A	A	A		C			
Ferric chloride, saturated	FeCl ₃	100	80				D	D	D		D	A		D	A	A	A	A	A	A	A	B	A		c			
Ferric hydroxide, saturated		100	20													A	A	A	A	A	A	A						
Ferric hydroxide, saturated		100	80													A	A	A	A	A	A	B						
Ferric nitrate, saturated	Fe(NO ₃) ₃	10	20	1.080		2.2		D				A		B	A	A	A	A	A	A	A	A	A					
Ferric nitrate, saturated	Fe(NO ₃) ₃	25	20	1.230		1.8		D				A		B	A	A	A	A	A	A	A	A	A			A		
Ferric nitrate, saturated	Fe(NO ₃) ₃	100	20					D				A		B	A	A	A	A	A	A	A	A	A					
Ferric nitrate, saturated	Fe(NO ₃) ₃	100	80					D				A		B	A	A	B	A	A	A	A	B	A					
Ferric oxide	Fe ₂ O ₃	100	20									A			A								C					
Ferric sulphate	Fe ₂ (SO ₄) ₃	50	20	1.610			D	D	D			A		A	A	A	A	A	A	A	A	B	A			A		
Ferric sulphate	Fe ₂ (SO ₄) ₃	100	20				D	D	D			A		A	A	A	A	A	A	A	A	B	A					
Ferric sulphide	Fe ₂ S ₃	100	20													A	A	A	A	A	A	A						
Ferric sulphide	Fe ₂ S ₃	100	80															A	A	A	A	B						
Ferrous chloride, saturated	FeCl ₂	10	20	1.090			D	D	D		D	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Ferrous chloride, saturated	FeCl ₂	50	20				D	D	D		D	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Ferrous chloride, saturated	FeCl ₂	100	20				D	D	D		D	A		D	A	A	A	A	A	A	A	A	A		A			
Ferrous chloride, saturated	FeCl ₂	100	80				D	D	D		D	A		D	A	A	A	A	A	A	A	B	A		A			
Ferrous hydroxide, saturated		100	20													A	A	A	A	A	A	A						
Ferrous hydroxide, saturated		100	80													A	A	A	A	A	A	B						
Ferrous nitrate, saturated	Fe(NO ₃) ₂	100	20					D						A	A	A	A	A	A	A	A	A	A			A		
Ferrous nitrate, saturated	Fe(NO ₃) ₂	100	80					D						A	A	A	A	A	A	A	A	B	A					
Ferrous sulphate	FeSO ₄	20	20	1.210			D	A	D		B	A			A	A	A	A	A	A	A	A	A			A		
Ferrous sulphate	FeSO ₄	100	20				D		D		B	B		B	A	A	A	A	A	A	A	A	A					
Ferrous sulphate	FeSO ₄ ·7H ₂ O	100	25	1.050			D		D		B	B		B	A	A	A	A	A	A	A	A	A					
Ferrous sulphate	FeSO ₄	100	80				D		D		B	B		B	A	A	A	A	A	A	A	B	A					
Fertilizer salts, aqueous		100	20														A	A	A	A	A	A	A	A				
Fluoboric acid, pure	HBFe ₄	100	20	1.220			D	D	D			A		B	A	A	A	A	A	A	A	B	A	A				
Fluoboric acid, pure	HBFe ₄	100	80				D	D	D			A		B	A	B	B	A	A	A	B		A	A				
Fluorine (gas), wet	F ₂	100	20	1.700												A	A	A	A	A	A	D	D	C				
Fluorine (gas), wet	F ₂	100	40													B	B	A	A	A	A							
Fluorine (gas), wet	F ₂	100	60													B	B	A	A	B	B							
Fluorine (liquid)	F ₂	100	20					A						A				D		B	C							



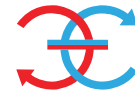
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Fluorine monoxide	OF ₂	100	20	1.900																								
Fluorobenzene		100	20																	A	D	D	D					
Fluosilicic acid (Fluoric siicate)	H ₂ SiF ₆	25	20	1.240			D	D	D	D		A		B	A	A		A		A		A	A					
Fluosilicic acid (Fluoric siicate)	H ₂ SiF ₆	32	20																									
Fluosilicic acid (Fluoric siicate)	H ₂ SiF ₆	50	20				D	D	D	D		A		B	A	A	A	A	A	A	A	A	A					
Fluosilicic acid (Fluoric siicate)	H ₂ SiF ₆	50	40				D	D	D	D		A		B	A	A	A	A	A	A	A	A	B	A				
Fluosilicic acid (Fluoric siicate)	H ₂ SiF ₆	50	80				D	D	D	D		A		B	A	A	B	B	A	A	A	B	B	A				
Fluosilicic acid (Fluoric siicate)	H ₂ SiF ₆	100	20				D	D	D	D		A		B	A	A		A		C	B	A	A					
Formaldehyde	HCHO, CH ₂ O	35	20				C	A	C	D	B	B		A	A	A	A	A	A	A	A	A	B	D	A	C		
Formaldehyde	HCHO, CH ₂ O	35	60				C	A	C	D	B	B		A	A	A	A	B	A	A	A	A	B	D		C		
Formaldehyde	HCHO, CH ₂ O	35	80				C	A	C	D	B	B		A	A	A	A	D	A	A	A	A	B	D		C		
Formaldehyde	HCHO, CH ₂ O	37	20	1.1	0.9		C	A	C	D	B	B		A	A	A	A	A	A	A	A	A	B	D		C		
Formaldehyde	HCHO, CH ₂ O	37	60				C	A	C	D	B	B		A	A	A	A	B	A	A	A	A	B	D		C		
Formaldehyde	HCHO, CH ₂ O	37	80				C	A	C	D	B	B		A	A	A	A	D	A	A	A	A	B	D		C		
Formaldehyde	HCHO, CH ₂ O	40	20				C	A	C	D	B	B		A	A	A	A	A	A	A	A	A	D	A	A	A	A	
Formaldehyde	HCHO, CH ₂ O	50	20				C	A	C	D	B	B		A	A	A	A	A	A	B	A	D	D					
Formaldehyde	HCHO, CH ₂ O	50	60				C	A	c	D	B	B		A	A	A	A	B	A			D	D					
Formaldehyde	HCHO, CH ₂ O	50	80				C	A	c	D	B	B		A	A	A	A	D	A			D	D					
Formaldehyde	HCHO, CH ₂ O	100	25	0.820			C	A	c	D	B	B		A	A	A	A	A	A	A	B	C	D					
Formalin	HCHO	100	20	1.100			C	A	c		B	B		A	A	A	A	A	A	A	B	C	D					
Formamide	HCONH ₂	100	20	1.130	3			A				A		A					A	D		A				A	A	
Formamide	HCONH ₂	100	70			0.13		A						A						D								
Formic acid (Methanoic acid)	HCOOH, HC02H	50	20									A		A			A	A	A	A	A	D	A	D				
Formic acid (Methanoic acid)	HCOOH, HC02H	90	20				C	B	D	D	B	A		B	A	A	A	A	A	D	A	D	D	D				
Formic acid (Methanoic acid)	HCOOH, HC02H	90	40				C	B	D	D	B	A		B	A	B	B	A	A	D	A	D	D	D				
Formic acid (Methanoic acid)	HCOOH, HC02H	90	60				C	B	D	D	B	A		B	A	D	D	A	A	D	A	D	D	D				
Formic acid (Methanoic acid)	HCOOH, HC02H	100	20	1.220	1.5	4.4	C	A	D	D	B	A		B	A	A	A	A	A	D	A	D	D	D		A		A
Freon 11	CCl ₃ F, CFCl ₃	100	20	1.494		89	A	B	C					C	A	A	D	A	A	B	C	D	D	D	A			
Freon 1113	CF ₂ =CFCl	100	20	1.000		576														A		B	B					
Freon 112		100	20																									
Freon 113	CCl ₂ FcclF ₂	100	20	1.563		36	A							A	A			A	A	B	D	D	D	D	A			
Freon 114	CF ₂ cicF ₂ c _i	100	20	1.000		122												A	A	A	C	B	A		A			
Freon 114 B2		100	20																	B	D	B	A					
Freon 115		100	20																	B	A	A	A					
Freon 12	ccl ₂ F ₂	100	20	1.000		587	A		A	B				D	A	A	A	A	A	B	B	C	D	A	A	A		
Freon 12 B1	CClF ₂ Br	100	20	1.000		253																						
Freon 13	CClF ₃	100	20	1.000		324													A	A	A	A	A					
Freon 13 B1		100	20																A	A	A	A	A		C			

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Freon 133 a	CH ₂ Cl-CF ₃	100	20	1.000		182																						
Freon 142 b	C ₂ H ₃ ClF ₂	100	20	1.118		303														D		A	A					
Freon 152 a		100	20																	D		A	A					
Freon 21	CHCl ₂ F	100	20	1.380		162											D	A	A	C	C	D	B	D				
Freon 21	CHCl ₂ F	100	40														D	A	A	D		D	B	D				
Freon 218		100	20																	A		A	A					
Freon 22	CHClF ₂	100	20	1.213		950	A		C				C	A	D	C	A	A	A	D	B	D	D	D	D			
Freon 23	CHF ₃	100	20	1.000		4295																						
Freon 31		100	20																	D		D	A					
Freon 32		100	20																	C		A	A					
Freon 502		100	20	1.4	0.24															B		B	A					
Freon BF		100	20																			B	B					
Freon C316		100	20																			A	A					
Freon C318		100	20																	A		A	A					
Freon MF		100	20																			A	C					
Freon T-P35		100	20																A	A		A	A					
Freon T-WD602		100	20																A	A		B	B					
Freon TA		100	20																	C		A	A					
Freon TC		100	20																A	A		A	A					
Freon TF		100	20				A						A	A	B					B	D	C	D					
Glycerphosphoric acid	C ₃ H ₇ O ₃ P(OH) ₂	100	20															A										
Glycocoil (Glycine, Aminoacetic acid)	NH ₂ CH ₂ COOH	10	20																									
Glycocoil (Glycine, Aminoacetic acid)	NH ₂ CH ₂ COOH	100	20															A	A	A	A		A			A		
Glycol (Ethylene glycol), pure	C ₂ H ₄ (OH) ₂ , HOCH ₂ CH ₂ OH	100	20	1.110			A	A	A	B		A		A	A	A	A	A	A	A	A	A	A		A	A		
Glycol (Ethylene glycol), pure	C ₂ H ₄ (OH) ₂ , HOCH ₂ CH ₂ OH	100	80				A	A	A	B		A		A	A	B	B	B	A	A	A	A	A					
Glycol acetate	CH ₂ OH-CH ₂ O	100	20	1.110																						A		
Glycolic acid, saturated	HOCH ₂ COOH, CH ₂ OHC ₂ H	37	20					A				A												A		A		
Glycolic acid, saturated	HOCH ₂ COOH, CH ₂ OHC ₂ H	70	20												A	A	A	A	A	A	A	A	A					
Glycolic acid, saturated	HOCH ₂ COOH, CH ₂ OHC ₂ H	100	20												A	A	A	A	A	A	A	A	A					
Glycolic acid, saturated	HOCH ₂ COOH, CH ₂ OHC ₂ H	100	40												A	A	A	B	A				A					
Glycolic acid, saturated	HOCH ₂ COOH, CH ₂ OHC ₂ H	100	60												A	A	A	C	A				A					
Glycolic acid, saturated	HOCH ₂ COOH, CH ₂ OHC ₂ H	100	80												A	A		D	A				A					
Gold monocyanoide	AuCN	100	20				A		D				A	A						A			A	A				
Gold, plating solution		100	20										A	A	A	D	A		A	A	A	A	A					
Grape iuice		100	20				A		D				A	A	A					A		A	A					
Grape sugar		100	20													A	A	A	A	A	A	A						
Grape suqar		100	80															A	A	A	A	B						
Grease		100	20				A		A					A	A					A		D	D		A			



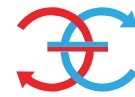
Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Heptane (i)	C ₇ H ₁₆	100	20	0.680	15	4.8	A	A	A			D		A	A	A	A	A	A	D	A	D	A		A			
Heptane (n)	CH3(CH2)5CH3	100	20	0.680		4.8	A	A	A			D		A	A	A	A	A	A	D	A	D	A		A			
Heptane (n)	CH3(CH2)6CH3	100	60				A	A	A			D		A	B	A	C	A	A	D		D						
Heptene	C ₇ H ₁₄	100	20	0.700		16																						
Hexachlorobenzene	C ₆ Cl ₆	100	20					A																				
Hexachloroethane	C2Cl6	100	20	0.880				A				A		D			D		A							A		A
Hexaldehyde-N		100	20					A						A							B	D	A					
Hexamethylene diamine	H ₂ N(CH ₂) ₆ NH ₂	100	20																									
Hexamethylene diisocyanate	OCN-(CH ₂) ₆ -NCO	100	20	1.050																								
Hexamethylene tetramine	(CH2)6N4	100	20					A				A		A					A							A		
Hexane (I-Hexane)	C ₆ H ₁₄	100	20	0.660	0.6	16	A	A	A			A		A	A	A	B	A	A	A	D	A	D	A	A	A		
Hexane (N-Hexane)	CH3(CH2)4CH3	100	20	0.660		16	A	A	A			A		A	A	A	B	A	A	A	D	A	D	A	A	A		
Hexane (N-Hexane)	CH3(CH2)4CH3	100	60				A	A				A		A	A		C	A	A		D		D		A			
Hexene (N-Hexene-1)		100	20																	A	D	B	B					
Hexyl alcohol, pure	C ₅ H ₁₁ CH ₂ OH, C ₆ H ₁₃ OH	100	20	0.830		0.13	A		A		A	A		A	A				A	A	B	A	A					
Hexyl alcohol, pure	C ₅ H ₁₁ CH ₂ OH, C ₆ H ₁₃ OH	100	60				A		A		A	A		A	A				A	A	C	B	A					
Hexyl alcohol, pure	C ₅ H ₁₁ CH ₂ OH, C ₆ H ₁₃ OH	100	80				A		A		A	A		A	A				A	A	D		A					
Hexylene glycol	(CH3)2C(OH)C2H3(OH)CH3	100	20	0.920																								
Honey		100	20	1.5	1000		A		A					A	A		A			A	A	A	A					
Horse radish oil		100	20												A							D	A					
Hydraulic oil, mineral		100	20				A	A	A	B				A	A				A	A	D	A	D		D			
Hydraulic oil, synthetic		100	20				A			B				A	A					A	D	C	C		D			
Hydrazine hydrate	H2NNH2(H2O)	100	20	1.030	1	1.4											A	A	A	A	A	D	D	A		A		
Hydrazine, pure	H ₂ NNH ₂ ,NH ₂ NH ₂	100	20	1.011	0.97	1.5	D	A	C			D		A	A		A	A	A	D	A	A	A		D	A		
Hydriodic acid	HI	100	20					A				A		A			A	A	A							A		A
Hydrobromic acid	HBr+H2O	10	20	1.070			D	D	D		B	A		D	A	A	A	A	A	A	A	D	C	A				A
Hydrobromic acid	HBr+H2O	20	20				D	D	D		B	A		D	A	A	A	A	A	A	A	C	C	A				
Hydrobromic acid	HBr+H2O	20	60				D	D	D		B	A		D	A	A	A	A	A	A	A	D	C	A				
Hydrobromic acid	HBr+H2O	20	80				D	D	D		B	A		D	A	A	A	A	A	B	B	D	C	A				
Hydrobromic acid	HBr+H2O	48	20	1.440			D	D	D		B	A		D	A	A	A	A	A	A	A	D	C	A				
Hydrobromic acid	HBr+H2O	50	20	1.520		0.6	D	D	D		B	A		D	A	A	A	A	A	A	A	C	C	A				
Hydrobromic acid	HBr+H2O	50	40				D	D	D		B	A		D	A	A	A	A	A	A	A	D	C	A				
Hydrobromic acid	HBr+H2O	50	80				D	D	D		B	A		D	A	B	A	A	A			D	C	A				
Hydrobromic acid	HBr	100	20	1.800		2090	D	D	D		B	A		D	A	A	D	A	A	A	A	D	C	A				
Hydrobromic acid	HBr	100	25	1.780			D	D	D		B	A		D	A	A	D	A	A	A	A	D	C	A				
Hydrocarbons, aromatic		100	20				C		A					C	A					A		D	D					
Hvdrocarbons, chlorinated		100	20				A		A					D	A					D		D	D					
Hydrochloric acid, anhydrous	HCl	100	20			4120																						

Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductiie iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic		
Hydrochloric acid, aqueous solution	HCl+H2O	5	20					D	D	D			D	D			A	A	A	A	A	C	C	A						
Hydrochloric acid, aqueous solution	HCl+H₂O	5	40					D	D	D			D	D			A	A	A	A	A	D	D	A						
Hydrochloric acid, aqueous solution	HCl+H₂O	5	80					D	D	D			D	D			C	A	A	A	A	D	D	A						
Hydrochloric acid, aqueous solution	HCl+H₂O	10	20					D		D		A		D			A	A	A	A	A	C	C	A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	10	40					D		D		A		D			A	A	A	A	A	D	P	A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	10	60					D		D		A		D			C	A.	A	A	A	D	D			A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	20	20	1.100	1	1.3	D	D	D	D	B	A	D	D	A	A	A	A	A	A	A	D	D	A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	20	40				D	D	D	D	B	A	D	D	A	A	C	A	A	A	A			A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	20	60				D	D	D	D	B	A	D	D	A	A	C	A	A	C	C			A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	20	80				D	D	D	D	B	A	D	D	A	A	D	A	A					A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	25	20	1.150				D	D	D		A	D	D		A	A	A	A	A	A	C	D	A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	25	40					D	D	D		A	D	D		A	A	A	A	A	A	D		A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	25	80					D	D	D		A	D	D		A	A	A	A	D	B	D		A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	35	20	1.180		1.3		D	D	D		D	D	D		A	A	A	A	A	B	B	C	D	A		A		A	
Hydrochloric acid, aqueous solution	HCl+H₂O	35	40					D	D	D		D	D	D		A	A	A	A	B	B	D	D	A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	35	60					D	D	D		D	D	D		A	A	A	A	D	D	D	D			A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	35	80					D	D	D		D	D	D		B	B	A	A	D	D	D	D			A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	37	20				D	D	D	D	A	A		D	A	A	A	A	A	A	A	D	D	A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	37	40				D	D	D	D	A	A		D	A	A	C	A	A	A	C	D	D	A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	37	60				D	D	D	D	A	A		D	A	A	D	A	A	C	D	D	D			A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	38	20	1.200				D	D	D		D	D	D		A	A	A	A	B	C	C	D	A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	38	40					D	D	D		D	D	D		A	A	A	A	B	C	D	D	A		A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	38	60					D	D	D		D	D	D		B	A	A	A	D	D	D	D			A		A		
Hydrochloric acid, aqueous solution	HCl+H₂O	38	80					D	D	B		D	D	D		B	B	A	B	D	D	D	D			A		A		
Hydrocyanic acid (Prussic acid), gas	HCN	100	20	0.690		81	D	A	D	C	A	A		A	A	A	A	A	A	B	B	B	A		c	A		A		
Hydrofluoric acid	HF+H₂O	10	25	1.030		2.2	D	D	D	D	B	B		D																
Hydrofluoric acid	HF+H₂O	30	20				D	D	D	D	B	B		D	C	A	A	A	A	A	A	D	C							
Hydrofluoric acid	HF+H₂O	30	40				D	D	D	D	B	B		D	C	B	B	A	A	A	A	D	C							
Hydrofluoric acid	HF+H₂O	30	60				D	D	D	D	B	B		D	C	C	B	A	A	A	A	D	C							
Hydrofluoric acid	HF+H₂O	30	80				D	D	D	D	B	B		D	C	D	B	A	A	A	A	B	D	C						
Hydrofluoric acid	HF+H₂O	38	20	1.125			D	D	D	D	B	B		D	C	B	A	A	A	A	A	D	C							
Hydrofluoric acid	HF+H₂O	40	20	1.060		1	D	D	D	D	B	B		D	C	B	A	A	A	A	A	D	C							
Hydrofluoric acid	HF+H₂O	40	40				D	D	D	D	B	B		D	C	C	B	A	A	A	B	D	C							
Hydrofluoric acid	HF+H₂O	40	60				D	D	D	D	B	B		D	C	D	B	A	A	A	C	D	C							
Hydrofluoric acid	HF+H₂O	40	80				D	D	D	D	B	B		D	C	D	B	A	A	A	D	D	C							
Hydrofluoric acid	HF+H₂O	50	20				D	D	D	D	B	B		D	C	B	A	A	A	A	A	D	C		D					
Hydrofluoric acid	HF+H₂O	50	40				D	D	D	D	B	B		D	C	D	B	A	A	A	A	D	C							
Hydrofluoric acid	HF+H₂O	50	60				D	D	D	D	B	B		D	C	D	B	A	A	A	B	D	C							



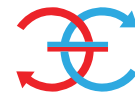
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Hydrofluoric acid	HF+H ₂ O	50	80				D	D	D	D	B	B		D	C	D	B	A	A	A	C	D	C					
Hydrofluoric acid	HF+H ₂ O	70	20	1.230			D	D	D	D	B	B		D	C	A	A	A	A	A	C	D	D	A				
Hydrofluoric acid	HF+H ₂ O	75	20	0.990			D	D	D	D	B	B		D	C	A	A	A	A	A	C	D	D		D			
Hydrofluoric acid	HF+H ₂ O	75	25	1.240			D	D	D	D	B	B		D	C	A	A	A	A	A	C	D	D					
Hydrofluoric acid	HF+H ₂ O	100	25	0.990			D	D	D	D	B	B		D														
Hydrofluoric acid, dilute	HF	100	20												A	A	A	A	A	A	A	D						
Hydrofluoric acid, dilute	HF	100	40												A	B	B	A	A	A	A	D						
Hydrofluoric acid, dilute	HF	100	80												A	C	B	A	A	A	A	D						
Hydrofluosilicic acid	H ₂ SiF ₆	10	20				A	D	D		B	B		D	A	A	A	A	A	A	A	A	C					
Hydrofluosilicic acid	H ₂ SiF ₆	20	20				A	D	D		B	B		D	A	A	A	A	A	A	A	A	C					
Hydrofluosilicic acid	H ₂ SiF ₆	32	20	1.170			A	D	D		B	B		D	A	A	A	A	A	A		D	C			A		A
Hydrogen	H ₂	100	20	0.070			A	A		B				A		A	A	A	A	A	A	A	A					
Hydrogen chloride, anhydrous	HCl	100	20	0.910		4400																						
Hydrogen fluoride, anhydrous	HF	100	20	0.970											A			A	A	D	B	D						
Hydrogen peroxide	H ₂ O ₂	3	20	1.010			D	A	D			D			A	D	A	A	A	A		D	D			D		A
Hydrogen peroxide	H ₂ O ₂	5	20				D	A	D			D			A	D	A	A	A	A	A	D	D			D		A
Hydrogen peroxide	H ₂ O ₂	5	40				D	A	D			D			A	D	A	A	A	A	B	D	D			D		A
Hydrogen peroxide	H ₂ O ₂	5	80				D	A	D			D			A	D	B	A	A	A	c	D	D			D		A
Hydrogen peroxide	H ₂ O ₂	10	20	1.040			D	A	D			D			A		A	A	A	A		D	D			D		A
Hydrogen peroxide	H ₂ O ₂	20	20	1.070			D	A	D			D			A		A	A	A	A		D	D			D		A
Hydrogen peroxide	H ₂ O ₂	30	20	1.100		3.2	D	A	D			D			A		A	A	A	A		D	D			D		A
Hydrogen peroxide	H ₂ O ₂	35	20	1.130																						D		A
Hydrogen peroxide	H ₂ O ₂	50	20	1.200		0.1	D	A	D						A	D	C	A	A	A	c	D	D			D		A
Hydrogen peroxide	H ₂ O ₂	50	40				D	A	D						A	D	D	A	A	B		D	D			D		A
Hydrogen peroxide	H ₂ O ₂	90	20	1.400		0.67	D	A	D			D			A	D	D	A	A	A	D	D	D			D		A
Hydrogen peroxide	H ₂ O ₂	100	20	1.442		0.3	D	A	D			D														D		A
Hydrogen sulphide, aqueous	H ₂ S	100	20	0.960		1760	D	A	D	C		A		A	A	A	A	A	A	A	A	A	D		A	A		A
Hydrogen sulphide, aqueous	H ₂ S	100	60				D	A	D	C				A	A	A	A	A	A	B	A	A	D		A	A		
Hydrogen sulphide, aqueous	H ₂ S	100	20	0.960		1760	D		D						A	A	A	A	A	A	A	A	D		A			
Hydrogen sulphide, aqueous	H ₂ S	100	60				D		D						A	A	A	A	A	B	A	A	D		A			
Hydrogen sulphide, dry	H ₂ S	100	20	0.960		1760	D	A	D	c		A		A	A	A	A	A	A	A	A	A	D	A		A		A
Hydrogen sulphide, dry	H ₂ S	100	80				D		D	c				A	A	A	A	A	A	A	B	B	D	A		A		
Hydrogen sulphide, dry	H ₂ S	100	20			1760	D		D						A	A	A	A	A	A	A	A	D	A				
Hydrogen sulphide, dry	H ₂ S	100	80				D		D						A	A	A	A	A	A	B	B	D	A				
Hydroquinone, saturated	C ₆ H ₄ (OH) ₂	100	20				D	A	D					A	A	A	A	A	A	A	A	A	A			A		
Hydrosulphite (Sodium dithionite)	Na ₂ S ₂ O ₄	10	20					D						A			A	A	A	A		D				A		
Hydrosulphite (Sodium dithionite)	Na ₂ S ₂ O ₄	10	40					D						A			A	A	A	A		D						

Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductiie iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic	
Hydrosulphite (Sodium dithionite)	Na2S2O4	10	60					D						A			A	A	A	A		D							
Hydroxyacetic acid	HOCH2COOH	70	20				D								A	A				A	A	A	A						
Hydroxylamine	NH2OH	100	20	1.200																									
Hydroxylamine sulphate	(H2N0H)2H2S04	100	20														A		A	A		A							
Hypochlorous acid	HClO2	10	20					D						D		A	A	A	A	A	A	C							
Hypochlorous acid	HClO2	10	40					D						D		A	B	A	A	B	B								
Hypochlorous acid	HClO2	10	80					D						D		B		A	A										
Indium, plating solution		100	20											A	A	A	A			A		A							
Ink		100	20				D	C	D	D				A	A		A			A		A	A	C					
Insecticide (Summition)		100	20													D	A	A	A	A	A	C							
Insecticide (Summition)		100	60													D	B	A	A	A	A								
Iodic acid	HIO3	35	20	1.390														A											
Iodine	I2 ?, I2	100	20	4.940		0.03	D		D			B		D	A	B	A	A	A	B	D	A	D		C				
Iodine	I2 ?, I2	100	60				D		D			B		D	A	C	A	A	A		D	A	D		C				
Iodine pentafluoride	IF5	100	20																	D		D	D						
Iodine silicic acid	HI-H2O	100	20	1.700				A				A		A			A	A	A							A		A	
Iodine solution		10	20															A	A										
Iodine tincture		100	20	0.905		8		A									A	A	A	A		A							
Iodine water, saturated		100	20														A	A									A		
Iodoform ((Triiodomethane)	CHI3	100	20	4.010				B		C				B			C	A	A		A								
Iron salts		100	20																										
Iron, plating solution		100	20								A			A	A	A	A			A		A	A						
Isobutyl alcohol, pure	C3H7CH, (CH3)2CHCH2OH	100	20	0.810	12	1.2	A	A	C		A	A		A	A			A	A	A	A	B	A						
Isobutylene	(CH3)2C:CH2	100	20																										
Isodecanol	C10H21OH	100	20	0.837																									
Isooctane	(CH3)3CCH2CH(CH3)2	100	20	0.690				A						A			A	A	A	A	D	A	B		A				
Isooctanol	C4H9CH(C2H5)CH2OH	100	20	0.830														A	A			D							
Isophorone, pure	COCHC(CH3)CH2C(CH3)2CH2	100	20	0.920				A						A				A		D	D	D							
Isoprene	CH2:C(CH3)CH:CH2	100	15	0.680		53.2																							
Isopropanol (Isopropylalcohol)	(CH3)2CHOH, CH3CH(OH)CH3	100	20	0.780	3	4.2	A	B	C		A	A		A	A	A	A	A	A	A	A	A	A	A	A	A			
Isopropyl acetate, pure	CH3COOCH(CH3)2	100	20	0.890	0.57	3.3		C						B	A				A	D	B	D	D						
Isopropyl alcohol, pure	C2H5CH2OH,C3H7OH	100	20	0.780	3	4.3	A	B	C		A	A		A	A	A	A	A	A	A	A	A	A	A	A	A			
Isopropyl alcohol, pure	C2H5CH2OH,C3H7OH	100	40				A	B	C		A	A		A	A	A	A	A	A	A	A	B	A	A	A				
Isopropyl amine	(CH3)2-CH-NH2	100	20	0.694	0.5	63																							
Isopropyl benzene (Cumene)	C6H5CH(CH3)2, C9H12	100	20	0.862	1	1.3		B						B						A	D	D							
Isopropyl chloride (2-Chloropropane)	C3H7Cl	100	20	0.859				A						A				A	A	A	D	B	B						
Isopropyl chloride (2-Chloropropane)	C3H7Cl	100	40					A						A				B	A		D								



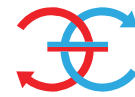
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Isopropyl chloride (2-Chloropropane)	C ₃ H ₇ Cl	100	60					A						A				C	A		D							
Isopropyl chloride (2-Chloropropane)	C ₃ H ₇ Cl	100	80					A						A				D	A		D							
Isopropyl ether, pure	C ₃ H ₇ OC ₃ H ₇	100	20	0.730		20	A	A						A			D	A	A	C	C	A	D					
Isopropyl ether, pure	C ₃ H ₇ OC ₃ H ₇	100	40				A	A						A			D	B	A				D					
Isopropyl ether, pure	C ₃ H ₇ OC ₃ H ₇	100	60				A	A						A			D	C	A				D					
Isopropyl ether, pure	C ₃ H ₇ OC ₃ H ₇	100	80				A	A						A			D	D					D					
Isopropyl formate	HCOOCH(CH ₃) ₂	100	20	0.870		13																						
Isopropyl nitrate	(CH ₃) ₂ CHON ₂	100	20	1.190																								
Isopropyl toluene (p-Cymene)	CH ₃ C ₆ H ₄ CH(CH ₃) ₂	100	20	0.860		0.1														A			D					
Isotane		100	20												A					A		A	D					
Jet fuel JP-3		100	20				A	A	A					A	A	A	A	A	A	A	D	B	D		A			
Jet fuel JP-4		100	20				A	A	A					A	A	A	A	A	A	A	D	B	D		A			
Jet fuel JP-5		100	20				A	A	A					A	A	A	A	A	A	A	D	A	D		A			
Kerosene, paraffin, photogene		100	20	0.750	4	0.1	A	A	A					A	A	A	A	A	A	A	D	A	D		A			
Kerosene, paraffin, photogene		100	40				A	A	A					A	A	A	B	A	A		D		D		A			
Kerosene, paraffin, photogene		100	60				A	A	A					A	A	A	C	A	A		D		D		A			
Ketchup (Catsup)		100	20				C	D	D	D				A	A	A	A			A		A	C					
Ketones		100	20					A		A				A	B	D	A			A	D	A	D	D				
Lacquer solvent		100	20					A						A					A	A	D	D	D	D				
Lacquers		100	25	0.900			A	A	C					A	A				A	A	D	D	D	D		D		
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	10	20	1.020			C	A	D		B	A		A	A	A	A	A	A	A	A	A	C	A	D	A		A
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	25	20				C	A	D		B			A	A	A	A	A	A	A	A	A	C	A	D			
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	25	40				C	A	D		B			A	A	A	A	A	A	A	A	B	C	A	D			
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	25	60				C	A	D		B			A	A	A	A	A	A	A	A	C	C	A	D			
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	25	80				C	A	D		B			A	A	B	A	A	A	A	A	D	C		D			
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	80	20				C	A	D		B			A	A	A	A	A	A	A	A	A	C	A	D			
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	80	40				C	A	D		B			A	A	A	A	A	A	A	A	B	C	A	D			
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	80	60				C	A	D		B			A	A	B	A	A	A	A	A	C	C	A	D			
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	80	80				C	A	D		B			A	A		B	A	A	A	A		C		D			
Lactic acid	C ₂ H ₄ (OH)COOH, H ₆ C ₃ O ₃	90	20	1.240			C	A	D		B			A	A		A	A	A	A	A	A	C	A	D	A		A
Lanolin		100	20														A	A	A	A		A						
Lard		100	20	0.96	60		A	A	A	A				A	A	A		A	A	A	B	A	C		C			
Lard oil		100	20	0.91	40-50												A	A	A	A	A	A		C				
Latex		50	25	1.050	200		A							A	A					A		A				A		
Latex		100	20				A							A	A					A		A				A		
Lauric acid (n-dodecylic acid)	C ₁₂ H ₂₄ O ₂ , CH ₃ (CH ₂) ₁₀ COOH	100	20															A	A									
Lauroyl Chloride, pure		100	20															A	A									
Lauroyl peroxide	(C ₁₁ H ₂₃ CO) ₂	100	20																									

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Lauryl alcohol	CH ₃ (CH ₂) ₁₀ OH	100	20														A	A	A	A		A						
Lauryl mercaptan	C ₁₂ H ₂₅ SH	100	25	0.850																								
Lavender oil		100	20																	A	D	B	C					
Lead (II) acetate, saturated	Pb(CH ₃ COO) ₂ +3H ₂ O	100	20					D		D		A		B	A	A	A	A	A	A	A	A	B			A		A
Lead (II) acetate, saturated	Pb(CH ₃ COO) ₂ +3H ₂ O	100	60					D		D		A		B	A	A	A	A	A	B	A	A	B					
Lead (II) acetate, saturated	Pb(CH ₃ COO) ₂ +3H ₂ O	100	80					D		D		A		B	A	A	A	A	A	B	A	B	B					
Lead chloride	PbCl ₂	0,9	20	1.010				D				A		A		A	A	A	A	A	A	A				A		A
Lead chloride	PbCl ₂	100	20													A	A	A	A	A	A	A						
Lead chloride	PbCl ₂	100	80															A	A	A	A	B						
Lead chromate	PbCrO ₄	100	20					D				A		A			A	A	A							A		A
Lead fluorine borate		100	20												A								A					
Lead nitrate	Pb(NO ₃) ₂	30	20	1.330				A				A		A		A	A	A	A	A	A	A	A			A		A
Lead nitrate, saturated	Pb(NO ₃) ₂	100	20	4.350				D						B		A	A	A	A	A	A	A	A					
Lead nitrate, saturated	Pb(NO ₃) ₂	100	80					D						B		A	A	A	A	A	A	B	A					
Lead sulphamate		100	20									A		A	A		A			A	A	B	A					
Lead sulphate	PbSO ₄	100	20													A	A	A	A	A	A	A	A					
Lead sulphate	PbSO ₄	100	80													A	A	A	A	A	A	B	A					
Lead thiocyanate	Pb(SCN) ₂	100	20	3.820																								
Lead, plating solution		100	20								A				A	A	A	A	A	A	A	A	A					
Lemon oil		100	20					D		D				A	A		D	A	A	A		D	D					
Lignin		100	20					A						A	A					A		A	A					
Ligroin	C _n H _{2n+2}	100	20					A						A	A		A			A	D	A						
Lime (Calcium oxide)	CaO	100	20	3.370				A		A				A	A	A				A	A	A	A		C			
Lime bleach		100	20											A					A	A	A	A	B					
Lime sulfur		100	20											A					A	A	A	D	A					
Linoleic acid	c17H31cooh	100	20					A						A				A	A	A	D	B	D					
Linoleic oil		100	20					A		A				A	A			A	A			A	D					
Linseed oil	C ₅ H ₁₁ OH	100	20	0.930	30			A	B	A	A			A	A	A	A	A	A	A	B	A	D	A	C	A		
Linseed oil	C ₅ H ₁₁ OH	100	80					A	B	A	A			A	A	A	B	A	A	A			D	A	C			
Liquefied Petroleum gas		100	20						A					A				A	A	A		A	B					
Liquers		100	20								A			A			A	A	A	A	A	A	A					
Lithium	Li	100	20	0.534		0																						
Lithium aluminiumhydride	LiAlH ₄	100	20	0.860																								
Lithium borhydride	LiBH ₄	100	20	0.660																								
Lithium bromide	LiBrH ₂ O	60	20						A			A		A	A			A	A	A		A	D					
Lithium chloride	LiCl	45	20	1.300				D		B		A		D			A	A	A	A		A				A		A
Lithium hydride	LiH	100	20	0.820																								



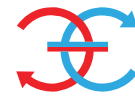
Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Lithium sulphate	LiSO4	25	20	1.230				A						A			A	A	A							A		
Lithophone	ZnS, BaSO4	100	20					A						A			A	A	A							A		
Liver paste		100	20											A	A							A	A					
Lubricating oil (ASTM 1)		100	20				A	A	A	A				A	A	A	A	A	A	A	A	D	A	D		A		
Lubricating oil (ASTM 2)		100	20				A	A	A	A				A	A	A	A	A	A	A	D	A	D		A			
Lubricating oil (ASTM 3)		100	20				A	A	A	A				A	A	A	A	A	A	A	D	A	D		A			
Lubricating oil (ASTM 3)		100	40				A	A	A	A				A	A	A		A	A	A	D	B	D		A			
Lubricating oil (ASTM 3)		100	80				A	A	A	A				A	A	A		A	A	B	D		D		A			
Machine oil		100	20														A	A	A	A	D	A						
Machine oil		100	60														B	A	A	A	D	B						
Magnesium bisulphite	Mg(HSO3)2	100	20					D									A	A	A							A		A
Magnesium carbonate	MgCO3	100	20	2.960				A			B	B		A	A	A	A	A	A	A	A	A	A		A	A		A
Magnesium carbonate	MgCO3	100	80					A			B	B		A	A	B	A	A	A	A	A	B	A		A			
Magnesium chloride, saturated	MgCl2+6H2O	10	20	1.080		2.2	C	B	D	D	A	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Magnesium chloride, saturated	MgCl2+6H2O	15	20	1.130		2.2	C	B	D	D	A	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Magnesium chloride, saturated	MgCl2+6H2O	25	20	1.150		2.2	C	B	D	D	A	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Magnesium chloride, saturated	MgCl2+6H2O	30	20	1.280		2.2	C	B	D	D	A	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Magnesium chloride, saturated	MgCl2+6H2O	100	20	2.320			C	B	D	D	A	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Magnesium citrate		100	20													A	A	A	A	A	A	A						
Maqnesium citrate		100	80													A	A	A	A	A	A	B						
Magnesium fluoride	MgF2	100	20					A						D			A	A	A							A		A
Magnesium hydroxide, saturated	Mg(OH)2	100	20				A	B	A					A	A	A	A	A	A	A	A	A	A		A			
Magnesium hydroxide, saturated	Mg(OH)2	100	80				A	B	A					A	A	A	A	A	A	A	A	B	A		A			
Magnesium nitrate	Mg(NO3)2+6H2O	25	20	1.210			D	A	D			A		A	A	A	A	A	A	A	A	A	A			A		A
Magnesium nitrate	Mg(NO3)2+6H2O	100	20	1.460			D		D					A	A	A	A	A	A	A	A	A	A					
Magnesium nitrate	Mg(NO3)2+6H2O	100	80				D		D					A	A	B	B	A	A	A	A	B	A					
Magnesium oxide	MgO	100	20				A		A					A	A					C		A	A					
Magnesium perchlorate	Mg(ClO4)2+H2O	100	25	2.600																								
Magnesium salt (Epsom salt), saturated	MgSO4+7H2O	100	20	1.280			A				A	B		A	A	A		A	A	A	A	A	A					
Magnesium silicofluoride	MgSiF6+6H2O	100	20	1.780				A						A			A	A	A							A		
Magnesium sulfite	MgSO3	100	20					A						A			A	A	A							A		A
Magnesium sulphate	MgSO4	10	20	1.100		2.2	C	A	A	B	A	B		A	A	A	A	A	A	A	A	A	A		C			
Magnesium sulphate	MgSO4	20	20	1.300		2.2	C	A	A	B	A	B		A	A	A	A	A	A	A	A	A	A		C			
Magnesium sulphate	MgSO4	100	20	1.280			C	A	A	B	A	B		A	A	A	A	A	A	A	A	A	A		C	A		
Maleic acid	CHC02HCHC02H, (HCCOOH)2	100	20					A		C	B	A		A	A	A	A	A	A	A	A	B	D	A				
Maleic acid	CHC02HCHC02H, (HCCOOH)2	100	40					A		C	B	A		A	A	A	A	A	A	A	B	B	D	A				
Maleic acid	CHC02HCHC02H, (HCCOOH)2	100	60					A		C	B	A		A	A	A	A	A	A	B	B		D	A				

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Maleic acid, saturated	CHC02HCHC02H, (HCCOOH)2	50	20	1.300				A		C	B	A		A	A	A	A	A	A	A	A	A	D	A				
Maleic acid, saturated	CHC02HCHC02H, (HCCOOH)2	100	20	1.590				A		C	B	A		A	A	A	A	A	A	A	A	D	A		A			
Maleic acid, saturated	CHC02HCHC02H, (HCCOOH)2	100	60					A		C	B	A		A	A	A	A	A	A	B	A	D	A					
Maleic acid, saturated	CHC02HCHC02H, (HCCOOH)2	100	80					A		C	B	A		A	A	A	A	A	A		A	B	D	A				
Maleic anhydride	(C0CH)2O	100	20	0.930				A			A	A		A	A			A	A	A	D	D	D					
Malic acid	CO ₂ -CH ₂ O-CH ₂ -CO ₂ H	50	20					A				A		A		A	A	A	A						A		A	
Malic acid	CO ₂ -CH ₂ O-CH ₂ -CO ₂ H	100	20					B						A		A	A	A	A	A	A	A	A					
Malic acid	CO ₂ -CH ₂ O-CH ₂ -CO ₂ H	100	60					B						A		B	A	A	A	A	A	A	A					
Manganese (II) chloride	MnCl2	10	20	1.060																								
Manganese (II) chloride	MnCl2	20	20	1.190										D			A	A	A						A		A	
Manganese (II) chloride	MnCl2	100	20	2.980																								
Manganese chloridehydrate	MnCl2+4H2O	100	20	2.010																								
Manganese nitrate	Mn(NO3)2+6H2O	100	20												A					C		A	A					
Manganese sulphate	MnSO4+4H2O	20	20	1.220				A		D		A		A		A	A	A	A	A	A	A			A		A	
Manganese sulphate	MnSO4+4H2O	30	20	1.220				A		D		A		A		A	A	A	A	A	A	A						
Manganese sulphate	MnSO4+4H2O	100	20	2.090				A		D		A		A		A	A	A	A	A	A	A						
Manganese sulphate	MnSO4+4H2O	100	80					A		D		A		A		B	A	A	A	A	A	B						
Marmelade (Jam)		100	20														A	A				A						
Mash		100	20				A							A	A							A	A					
Mayonnaise		100	20	1	5000		D	D	D	D				A	A					A		A	A					
Meat extract		100	20	1	22000		D							A	A					A		A	A					
Melamine	C ₃ H ₆ N ₆	100	20		420-1000		D		D					D	A							C	D					
Menthol	C ₁₀ H ₁₉ OH	100	20	0.800				A		B		A		A			A	A	A			A						
Mercuric chloride	HgCl2	100	20	7.150			D	D	D	D		B		D	A	A	A	A	A	A	A	A	A					
Mercuric cyanide, saturated	Hg(CN)2	100	20				D	D		D				A	A	A	A	A	A	A	A	A						
Mercuric nitrate	Hg(NO3)2	100	20					D						A			A	A	A	A	A	A			A			
Mercuric salts		100	20														A	A	A	A	A	D				A		
Mercuric sulphate, saturated	Hg2SO4	100	20													A	A	A	A	A	A	A						
Mercury	Hg	100	20	13.60			D	D	A	A	B	A		A	A	A	A	A	A	A	A	A	A	A	A	A		
Mesityl oxide (Isopropylidene acetone)	(CH3)2CCHCOCH3, C6H10O	100	20	0.850		1.1		A						A						D	B	D	D					
Meta cresol	CH3C6H4OH	100	20	1.030																								
Methane	CH4	100	20					A						A				A	A	A	A	A	B		C			
Methane sulphonc acid	CH3SO2OH	50	20															A	A									
Methanol (Methyl alcohol), pure	CH3OH	100	20	0.790	0.8	12.8	A	A	A	B	A	A		A	A	A	A	A	A	B	A	B	A	A	A	A		A
Methanol (Methyl alcohol), pure	CH3OH	100	40				A	A	A	B	A	A		A	A	B	A	A	A	B	A	C	A	A	A			
Methanol (Methyl alcohol), pure	CH3OH	100	60				A	A	A	B	A	A		A	A	B	A	A	A	C	A	D	A		A			
Methanol (Methyl alcohol), pure	CH3OH	100	80				A	A	A	B	A	A		A	A		B	A	A	C	B	D	A		A			
Methyl acetate, pure	CH3CO2CH3	100	20	0.930				B		B	B	A		A		D	B	A	A	D	B	D	D		C	A		



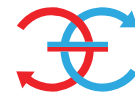
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	MBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Methyl acetate, pure	CH ₃ CO ₂ CH ₃	100	40					B		B	B	A		A		D		B	A	D	C	D	D		C			
Methyl acetate, pure	CH ₃ CO ₂ CH ₃	100	60					B		B	B	A		A		D		C	A	D		D	D		C			
Methyl acetate, pure	CH ₃ CO ₂ CH ₃	100	80					B		B	B	A		A		D		D	A	D		D	D		C			
Methyl acetoacetate	CH ₃ COCH ₂ COOCH ₃	100	20	1.080																								
Methyl acetone		100	20				B							A	C							D	D					
Methyl acrylate, pure	CH ₂ =CHCOOCH ₃	100	20	0.950		9.3		B						A	A			A	A	D	B	D	D					
Methyl acrylate, pure	CH ₂ =CHCOOCH ₃	100	40					B						A	A			B	A	D		D	D					
Methyl acrylate, pure	CH ₂ =CHCOOCH ₃	100	60					B						A	A			C	A	D		D	D					
Methyl acrylate, pure	CH ₂ =CHCOOCH ₃	100	80					B						A	A			D	A	D		D	D					
Methyl acrylic acid	CH ₂ =C(CH ₃)COOH, C ₄ H ₆ O ₂	100	20	1.020		0.13														B	C		B					
Methyl amine	CH ₃ NH ₂ +H ₂ O	32	20	0.700				A						A	A		A	D	A			D				A		
Methyl amine	CH ₃ NH ₂ +H ₂ O	40	25	0.890		40																						
Methyl amine	CH ₃ NH ₂	100	20	0.660		253	D							A	A	D	D	C	A		A	C						
Methyl amine	CH ₃ NH ₂	100	40				D							A	A	D	D	D	A									
Methyl aniline	C ₇ H ₉ N, C ₆ H ₄ (CH ₃)NH ₂	100	20	1.000																A	D	D	D					
Methyl bromide	CH ₃ Br	100	20	1.730		189		D				A		A	B		D	A	A	A	B	D	D	A		A		
Methyl butyl ketone	CH ₃ CO(CH ₂) ₃ CH ₃	100	20								B			A	B					D	A	D	D					
Methyl cellosolve	CH ₃ OCH ₂ CH ₂ OH	100	20	0.970		1.07	A	B						B	C			A	A	D	B	D	D					
Methyl cellulose		100	20				A								C					D	B	D	D					
Methyl chloride	CH ₃ Cl	100	20	0.921	11	500	B	D	A	B	B			A	A	D	C	A	A	D	B	D	D	A	D			
Methyl chloride	CH ₃ Cl	100	25	1.790			B	D	A	B	B			A	A	D	C	A	A	D	B	D	D	A	D			
Methyl chloroform (1,1,1-Trichloroethane)	CH ₃ CCl ₃	100	20	1.340		13.3	A		A					A	A			A	A	B	D	D						
Methyl chloroformate	CH ₃ OCCl	100	20	1.220		13.7																						
Methyl cyclohexanol	C ₇ H ₁₃ OH	100	20	0.920																								
Methyl cyklopentane	C ₆ H ₁₂	100	20											A	A		A	A	A	A	D	D	D	A				
Methyl dichloride		100	20												A					A	D	D	D					
Methyl ether	C ₂ H ₆ O	100	20	0.670		510														D	D	B	A					
Methyl ethyl carbinol	CH ₃ CH ₂ CH(OH)CH ₃	100	20	0.810		1.7																						
Methyl ethyl ketone	CH ₃ COCH ₂ CH ₃ , CH ₃ COC ₂ H ₅	100	20	0.805	0.5	9.4	A	B			B			A	A	D	B	D	A	D	B	D	D	A	C	A		
Methyl ethyl ketone	CH ₃ COCH ₂ CH ₃ , CH ₃ COC ₂ H ₅	100	40				A	B			B			A	A	D	C	D	A	D	C	D	D	A	C			
Methyl ethyl ketone	CH ₃ COCH ₂ CH ₃ , CH ₃ COC ₂ H ₅	100	60				A	B			B			A	A	D	D	D	A	D		D	D		C			
Methyl fenylendiisocyanate	CH ₃ C ₆ H ₄ (NCO) ₂	100	20	1.220	5	0																						
Methyl formate	HCO ₂ CH ₃	100	20	0.970		63.9		A						B					A	D	A	D	B					
Methyl glycol	C ₃ H ₈ O ₂ , (CH ₂) ₂ OHCH ₂ OH	100	20	0.970		1.07											A	A	A	A	A	A	A	A		A		
Methyl isobutyl carbinol	CH ₃ CHOHCH ₂ CH(CH ₃) ₂	100	20	0.810		0.7													A	A	A	A						
Methyl isobutyl ketone	(CH ₃) ₂ CHCH ₂ COCH ₃	100	20	0.800		0.8	A	A						A	A		D	A	A	D	B	D	D		D			
Methyl isobutyl ketone	(CH ₃) ₂ CHCH ₂ COCH ₃	100	40					A						A	A		D	B	A	D		D	D		D			
Methyl isobutyl ketone	(CH ₃) ₂ CHCH ₂ COCH ₃	100	60					A						A	A		D	C	A	D		D	D		D			

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Methyl isobutyl ketone	(CH ₃) ₂ CHCH ₂ COCH ₃	100	80					A						A	A		D	D	A	D		D	D		D			
Methyl isopropyl ketone	CH ₃ CNOHCH(CH ₃) ₂	100	20											A	A			A	A	D	D	D	D		D			
Methyl isopropyl ketone	CH ₃ CNOHCH(CH ₃) ₂	100	40											A	A			B	A	D	D	D	D		D			
Methyl isopropyl ketone	CH ₃ CNOHCH(CH ₃) ₂	100	60											A	A			C	A	D	D	D	D		D			
Methyl isopropyl ketone	CH ₃ CNOHCH(CH ₃) ₂	100	80											A	A			D	A	D	D	D	D		D			
Methyl mercaptan	CH ₃ SH	100	20	0.870		167																						
Methyl methacrylate	CH ₂ =C(CH ₃)COOCH ₃	100	20	0.940		3.9		B						B	A		C	A	A	D	D	D	C					
Methyl methacrylate	CH ₂ =C(CH ₃)COOCH ₃	100	40					B						B	A		C	B	A	D	D	D	c					
Methyl methacrylate	CH ₂ =C(CH ₃)COOCH ₃	100	60					B						B	A		C	C	A	D	D	D	c					
Methyl methacrylate	CH ₂ =C(CH ₃)COOCH ₃	100	80					B						B	A		C	D	A	D	D	D	c					
Methyl oleate		100	20																	A	C	D	D					
Methyl parathion	(CH ₃) ₂ P(S)OC ₆ H ₄ NO ₂	100	20																									
Methyl propane	(CH ₃) ₃ CH	100	20			202																						
Methyl salicylate	C ₈ H ₈ O ₃	100	20	1.185				A													C		D					
Methyl sulfoxide		100	20															D	A									
Methyl sulphate	(CH ₃) ₂ SO ₂	100	20	1.330																								
Methyl sulphide	(CH ₃) ₂ S	100	20	0.850		53																						
Methylene bromide	CH ₂ Br ₂	100	20						A					A	A			A	A	A	D	D	D					
Methylene chloride (Dichloromethane)	CH ₂ Cl ₂	100	20	1.330	1	44.7		A	A	B	A	A		A	A	D	D	B	A	C	D	D	D	A	D	A		
Methylene dichloride	CH ₂ Cl ₂	100	20	1.330		44.7								A	A				A	B	D	D			D			
Methylene iodine	CH ₂ I ₂	100	20															A	A	A								
Milk		100	20	1.040	2		C	A	D	D				A	A	A	A	A	A	A	A	A	A		C	A		
Mineral oil		100	20				A	A	A	B				A	A	A	A	A	A	A	D	A	B		A	A		
Mineral oil		100	40				A	A	A	B				A	A	A	B	A	A		D		B		A			
Mineral oil		100	60				A	A	A	B				A	A	A	C	A	A		D		B		A			
Mineral oil, free of aromatic compounds		100	20																									
Mineral water		100	20														A	A	A	A		A						
Molasses		100	20	1.4	2600		D	A	A			A		A	A	A	A	A	A	A		A	A			A		
Molasses wort		100	20														A	A	A			A						
Monoamylamine	CH ₃ (CH ₂) ₄ NH ₂	100	20	0.760																								
Monobromobenzene		100	20																									
Monobutylamine	(CH ₃) ₂ CHCH ₂ NH ₂	100	20	0.730		13																						
Monobutylamine	CH ₃ (CH ₂) ₃ NH ₂ , C ₄ H ₉ NH ₂	100	20	0.730		9																						
Monobutylamine	CH ₃ CH(NH ₂)C ₂ H ₅	100	20	0.720		13																						
Monobutylamine	C(CH ₃) ₃ NH ₂	100	20	0.700		13																						
Monochloroacetic acid	CH ₂ ClCO ₂ H	50	20				D	D	D			A		D	C	A	B	A	A	B	C	D	D	A				
Monochloroacetic acid	CH ₂ ClCO ₂ H	50	40				D	D	D			A		D	C	B	B	A	A	D		D	D	A				
Monochloroacetic acid	CH ₂ ClCO ₂ H	50	60				D	D	D			A		D	C	B	D	B	A	D		D	D					



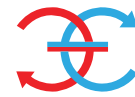
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Monochloroacetic acid	CH ₂ ClCO ₂ H	100	20	1.580			D	D	D			A		D	D	A	A	A	A	D	B	D	D					
Monochloroacetic acid ethyl ester	ClCH ₂ COOC ₂ H ₅	100	20					D									A	A	A	A		D						
Monochloroacetic acid methyl ester	ClCH ₂ COOCH ₃	100	20														A	A	A	A		D						
Monochlorobenzene (Chlorobenzene)	C ₆ H ₅ Cl	100	20	1.110		1.20	A	A	D		B	A		A	A	D	B	A	A	A	D	D	D			A		
Monochlorobenzene (Chlorobenzene)	C ₆ H ₅ Cl	100	40				A	A	D		B	A		A	A	D	C	A	A		D	D	D					
Monochlorobenzene (Chlorobenzene)	C ₆ H ₅ Cl	100	60				A	A	D		B	A		A	A	D		B	A		D	D	D					
Monochlorobenzene (Chlorobenzene)	C ₆ H ₅ Cl	100	80				A	A	D		B	A		A	A	D		C	A		D	D	D					
Monochlorobenzol	C ₆ H ₅ Cl	100	20	1.110		1.20	A	A	D		B	A		A	A	D	B	A	A	A	D	D	D			A		
Monochlorophenol	C ₆ H ₄ OHCl	100	20	1.300																								
Monoethanolamine	NH ₂ CH ₂ CH ₂ OH	100	20	1.020				A						A	A	D	A	D	A	D	A	A	B					
Monoisopropanolamine	H ₂ NCH ₂ CH(CH ₃)OH	100	20	0.960		0.20																						
Monomethyl ether	(CH ₃) ₂ O, C ₃ H ₆ O	100	20	0.670		510									A					A	A	A	A					
Monomethylamine	CH ₃ NH ₂	100	20	0.660		250																						
Monomethylaniline	C ₇ H ₉ N	100	20																	A	D	D	D					
Monomethylethanolamine	H ₃ CNHCH ₂ CH ₂ OH	100	20	0.940		0.09																						
Morpholine	NH(C ₂ H ₄) ₂ O, OCH ₂ CH ₂ NHCH ₂ CH ₂	100	20	1.000	5	1.07		A				A		A			A	A	A	A		D				A		
Motor oil		100	20	0.900			A	A						A	A			A	A	A	D	A	D					
Movvilit D		100	20																									
Mustard		100	20				D	B	D	B				A	A	A	A			B		B	C					
Mustard gas	(CH ₂ Cl-CH ₂) ₂ S	100	20											A	A				A				A					
Myrtle oil		100	20											A	A					A			C					
Naphta	C _n H _{2n+2}	100	20	0.8	1.25		B	A	A		B	B		A	A	A	A	A	A	A	D	C	D		A			
Naphta	C _n H _{2n+2}	100	40				B	A	A		B	B		A	A	A	B	A	A		D		D		A			
Naphta	C _n H _{2n+2}	100	60				B	A	A		B	B		A	A	A	C	A	A		D		D		A			
Naphta	C _n H _{2n+2}	100	80				B	A	A		B	B		A	A	A		B	A		D		D		A			
Naphtalene	C ₁₀ H ₈	100	20	1.140	0.7	0.007	C	A	A	B		A		A	A	D	B	A	A	A	D	D	D		C	A		
Naphtalene	C ₁₀ H ₈	100	20	1.140			C	A	A	B		A		A	A	D	B	A	A	A	D	D	D		C	A		
Naphtalene, pure	C ₁₀ H ₈	100	20	1.150			C	A	A	B		A		A	A	D	B	A	A	A	D	D	D		C	A		
Naphtalenesulphonic acid	C ₁₀ H ₇ SO ₃ H	10	20	1.030				A						A			A		A									
Naphtalenesulphonic acid	C ₁₀ H ₇ SO ₃ H	100	20	1.450				A						A			A		A							A		
Napthenic acid		100	20					B						A					A	A	D	B						
Natural gas		100	20					A		B				A				A	A	A	D	A	A					
Neatsfoot oil		100	20					A						A						A	C	A						
Neville-vvinther acid		100	20																	A	C	C	C					
Nickel acetate		100	20																A	C	A	A	B					
Nickel carbonyl	Ni(CO) ₄	100	25	1.318		53.3																						
Nickel chloride	NiCl ₂	20	20	1.220			D	D	D	D	A	A		A	A	A	A	A	A	A	A	A	C		D	A		
Nickel chloride, saturated	NiCl ₂	100	20				D	D	D	D	A	A		C	A	A	A	A	A	A	A	A	C		D			

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Nickel nitrate	Ni(NO ₃) ₂ , Ni(NO ₃) ₂ +6H ₂ O	10	20	1.050				D		D				A				A	A	A	A	A						
Nickel nitrate	Ni(NO ₃) ₂ , Ni(NO ₃) ₂ +6H ₂ O	35	20	1.380				D		D		A		A			A	A	A	A	A	A				A		
Nickel nitrate, saturated	Ni(NO ₃) ₂ , Ni(NO ₃) ₂ +6H ₂ O	100	20	2.050				D		D								A	A	A	A	A						
Nickel nitrate, saturated	Ni(NO ₃) ₂ , Ni(NO ₃) ₂ +6H ₂ O	100	80					D		D								A	A	A	A	B						
Nickel salts		100	20																									
Nickel sulphate, saturated	NiSO ₄ , NiSO ₄ +7H ₂ O	10	25	1.060			C	D	D			B		B	A	A	A	A	A	A	A	A	C					
Nickel sulphate, saturated	NiSO ₄ , NiSO ₄ +7H ₂ O	100	20	1.950			C	D	D			B		B	A	A	A	A	A	A	A	A	c			A		
Nickel sulphate, saturated	NiSO ₄ , NiSO ₄ +7H ₂ O	100	80				C	D	D			B		B	A	B	B	A	A	A	A	A	c					
Nickel, plating solution		100	20								A	A			A	A	A	A	A	A	A	A	A					
Nicotine	C ₁₀ H ₁₄ N ₂	100	20															A	A									
Nicotine	C ₁₀ H ₁₄ N ₂	100	40															B	A									
Nicotinic acid	C ₆ H ₅ NO ₂	100	20					A		C				A				A	A	B	A	D	D					
Nitroaniline	C ₆ H ₄ NO ₂ NH ₂	100	20	1.140								A							A							A		
Nitric acid	HNO ₃	5	20	1.030			D	D	D	D	D	A		A	A	A	A	A	A	A	A	D	D		D			
Nitric acid	HNO ₃	6,3	20																						D			
Nitric acid	HNO ₃	10	20	1.050	5		D	D	D	D	D	A		A	A	A	A	A	A	A	A	D	D		D	A		A
Nitric acid	HNO ₃	10	60				D	D	D	D	D	A		A	A	A	A	A	A	A	B	D	D		D			
Nitric acid	HNO ₃	10	80				D	D	D	D	D	A		A	A	A	A	A	A	A	D	D	D		D			
Nitric acid	HNO ₃	20	20	1.120		2	D		D	D	D	A		A	B	A	D	A	A	A	D	D	D		D			
Nitric acid	HNO ₃	30	20	1.180			D	D	D	D	D	A		A		A	D	A	A	A	B	D	D		D	A		A
Nitric acid	HNO ₃	30	60				D	D	D	D	D	A		A		B	B	A	A	B	D	D	D		D			
Nitric acid	HNO ₃	30	80				D	D	D	D	D			A		B	B	A	A	C	D	D	D		D			
Nitric acid	HNO ₃	40	20	1.250		1.5	D	D	D	D	D	A		A	C	A	D	A	A	A	D	D	D		D			
Nitric acid	HNO ₃	50	20	1.310			D	D	D	D	D	A		A	C	A	D	A	A	A	D	D	D		D	D		A
Nitric acid	HNO ₃	50	40				D	D	D	D	D	A		A	C	B	A	A	A	B	D	D	D		D			
Nitric acid	HNO ₃	50	60				D	D	D	D	D	A		A	C	C	B	A	A	C	D	D	D		D			
Nitric acid	HNO ₃	50	80				D	D	D	D	D			A	C	C	D	B	A	A	D	D	D		D			
Nitric acid	HNO ₃	65	20	1.480	5		D	C	D	D	D	B		A	D	D	D	A	A	A	D	D	D		D			
Nitric acid	HNO ₃	70	20	1.410			D	D	D	D	D	A		A	D	B	C	A	A	C	D	D	D	A	D			A
Nitric acid	HNO ₃	70	40				D	D	D	D	D			A	D	B	D	A	A	D	D	D	D	A	D			
Nitric acid	HNO ₃	70	60				D	D	D	D	D			A	D	C	D	A	A	D	D	D	D	A	D			
Nitric acid	HNO ₃	70	80				D	D	D	D	D			A	D	D	D	B	A	D	D	D	D	A	D			
Nitric acid	HNO ₃	80	20	1.452			D		D	D	D				D	C	C	A	A	C	D	D	D		D			
Nitric acid	HNO ₃	98	20				D	A	D	D	D			D	D	D	D	A	A	C	D	D	D	A	D			
Nitric acid	HNO ₃	98	40				D	A	D	D	D			D	D	D	D	B			D	D	D	A	D			
Nitric acid	HNO ₃	99	20	1.500			D	A	D	D	D			D	D	D	D	A	A		D	D	D		D	D		
Nitric acid	HNO ₃	100	20							D															D			



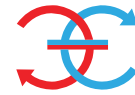
Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Nitric acid, red, fuming,	HNO3+N2I4+H2O , HNO3+NO2	100	20	1.490			D	A	D					A	D	D	D	A	A	C	D	D	D					
Nitrobenzene (Nitrobenzol)	C6H5-NO2	100	20	1.200	2	0.03	C	A	C		D	B		B	A	D	B	B	A	A	B	D	D	A	D	A		
Nitrobenzene (Nitrobenzol)	C6H5-NO2	100	40				C	A	C		D	B		B	A	D	B	C	A	A	B	D	D	D	D			
Nitrobenzene (Nitrobenzol)	C6H5-NO2	100	60				C	A	C		D	B		B	A	D	B	D	A	A	B	D	D	D	D			
Nitroethane, pure	C6H5-NO2	100	20	1.050		2.1		A						A				A	A	D	A	D	C					
Nitrogen	N	100	20					A		A				A				A	A	A		A	A					
Nitrogen dioxide	No2	100	20	1.450		96												A	A									
Nitrogen dioxide	No2	100	40															B	A									
Nitrogen tetroxide	N2O4	100	20	1.450		96														D	D	D	D					
Nitromethane, pure	CH3NO2	100	20	1.140		3.7		A						A				A	A	D	B	D	C					
Nitrophenol	NO2C6H4OH	100	20																									
Nitropropane	CH3(CH2)2NO2	100	20	1.000										A	A					D								
Nitrose acid		100	20	1.700										A			A	A										
Nitrotoluene	C6H4CH3NO2	100	20	1.160				A									A	A	A	D		D				A		
Nitrous acid	HNO2	10	20					A		D				A				A	A	A	B	D	B					
Nitrous oxide	(N2O)	100	20														A	A	A	A	A							
Nitrous oxide	(N2O)	100	80														A	A	A	A	B							
Nonan	C9H20	100	20	0.720		0.7																						
Nonanol	C9H19OH	100	25	0.824		0.13																						
Nonyl phenol	C6H4(C9H19)OH	100	20	0.950																								
Octane	C8H16	100	20	0.700		2											A	A	A	A	D	A						
Octanol	C6H C8H13CHOHCH3 , C8H18O	100	20	0.830																								
Octene (Diisobutylene), pure	(CH3)3C=CH2-C(CH3)=CH2, C8H16	100	20					B						B				A	A	A	D	A	C					
Octyl alcohol (Octanol)	C4H9CH(C2H5)CH2OH, C8H18O	100	20				A	A	A		A	A		A	A			A	A	A	A	B	A					
Oil, animal, vegetable		100	20	0.92	90		A	A	C	B				A	A		A	A	A	A		A	C			A		
Oleic acid (Red oil)	C17H33COOH	100	20	0.900			C	A	C		B			A	A	B	A	A	A	A	D	D	D		A	A		
Oleum (fuming sulfuric acid)	H2S04+S03	100	20	1.910		25	D		D		A			A	A	D	D	D	A	D	D	D	D			A		A
Olive oil		100	20	0.910			A	A	A					A	A	A	A	A	A	A	B	A	D					
Orange oil		100	20											A	A					A		A	D					
Ortho cresol	CH3C6H4OH	100	20	1.050																								
Oxalic acid	(COOH)2, (C00H)2+2H20	10	20	1.020			A		C	D	B	B		A	A	A	A	A	A	A	A	A	B					
Oxalic acid	(COOH)2, (C00H)2+2H20	15	20	1.030			A		C	D	B	B		A	A	A	A	A	A	A	A	A	B					
Oxalic acid	(COOH)2, (C00H)2+2H20	20	20				A		C	D	B	B		A	A	A	A	A	A	A	A	A	B					
Oxalic acid	(COOH)2, (C00H)2+2H20	50	20				A		C	D	B	B		A	A	A	A	A	A	A	A	A	B					
Oxalic acid	(COOH)2 (C00H)2+2H20	100	20				A	A	C	D	B	B		A	A	A	A	A	A	A	A	A	B	A				A
Oxalic acid, saturated	(COOH)2, (C00H)2+2H20	100	20	1.650			A	A	C	D	B	B		A	A	A	A	A	A	A	A	A	B	A				A
Oxygen	2	100	20	1.140		4220		A		B				A		A	A	A	A	A	A	B						
Ozone	03	100	20					B						A		B	C	A	A	A	A	D						

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Palm oil (Palm nut oil)		100	20				A		A					A	A	A	A	A		A		A	D					
Palm oil emulsion		100	20	0.92	50												A	A		A								
Palmitic acid	C ₁₅ H ₃₁ -COOH, C ₁₆ H ₃₂ O ₂	5	20					A						A			A	A	A	A	B	A	B		A			
Palmitic acid	C ₁₅ H ₃₁ -COOH, C ₁₆ H ₃₂ O ₂	10	20					A						A			A	A	A	A	B	A	B		A			
Palmitic acid	C ₁₅ H ₃₁ -COOH, C ₁₆ H ₃₂ O ₂	70	20					A						A			A	A	A	A	B	A	B		A			
Palmitic acid	C ₁₅ H ₃₁ -COOH, C ₁₆ H ₃₂ O ₂	70	80					A						A			B	A	A	A			B		A			
Palmitic acid	C ₁₅ H ₃₁ -COOH, C ₁₆ H ₃₂ O ₂	100	20					A						A			D	A	A	A	B	A	B		A	A		
Para cresol	CH ₃ C ₆ H ₄ OH	100	20	1.030																								
Paraffin emulsion		100	20	0.9	3000												A	A	A	A		A				A		
Paraffin oil	C _n H _{2n}	100	20	0.870	28-180			A									A	A	A	A		A				A		
Paraffin, photogene, kerosene		100	20	0.780	2.5	0.1	A	A		B				A	A	A	A	A	A	A	B	D	A	C				
Parathion	(C ₂ H ₅ O) ₂ PSOC ₆ H ₄ N ₀₂	100	20	1.260																								
Peanut oil		100	20	0.910	45		A	A	A					A	A	A	A	A	A	A	D	A	D					
Pentachlorophenol	C ₆ Cl ₅ OH	100	20	1.980	5																							
Pentane (N-Pentane)	C ₅ H ₁₂ , CH ₃ (CH ₂) ₃ CH ₃	100	20	0.620	15	67	A		A		B	B		A	A					A	D	A	D		C			
Peppermint oil		100	20				A							A	A					A		D	D					
Peracetic acid	CH ₃ COO-OH	100	20	1.230				D						A					A									
Perchloric acid	HClO ₄	3	20	1.020				D						D	A	A	A	A	A	A		D						
Perchloric acid	HClO ₄	10	20	1.060				D						D	A	A	A	A	A	A	B	D	A					
Perchloric acid	HClO ₄	10	40					D						D	A	A	B	A	A			D	A					
Perchloric acid	HClO ₄	10	60					D						D	A	B		A	A			D	A					
Perchloric acid	HClO ₄	50	20	1.400				D						D			D	A	A	A		D						
Perchloric acid	HClO ₄	70	20	1.550				D						D	A		D	A	A	A		D						
Perchloric acid	HClO ₄	72	20	1.700				D						D	A		D	A	A	A		D						
Perchloroethylene, pure	HClO ₄	100	20	1.623	1	1.9	D	A	A					A	A		D	A	A	A	D	D	D	A		A		A
Perphosphate		100	20													A	A	A	A	A	A	A						
Petroleum		100	20					A									A	A	A	A	A	A				A		
Petroleum ether (Light petrol)		100	20	0.630				A				A		A			A	A	A	A	D	A	D	A		A		
Phenol (Carbolic acid)	C ₆ H ₅ OH	10	20				C	A	D		A	A		A	A	A	A	A	A	A	A	D	C	A				
Phenol (Carboiic acid)	C ₆ H ₅ OH	50	20				C	A	D		A	A		A	A	A	A	A	A	A	A	D	D	A		A		
Phenol (Carbolic acid)	C ₆ H ₅ OH	90	20				C	A	D		A	A		A	A	A	A	A	A	A	A	D	D	A		A		
Phenol (Carbolic acid)	C ₆ H ₅ OH	100	20	1.070	10	0.02	C	A	D		A	A		A	A	A	A	A	A	B	A	D	D		D			
Phenol (Carbolic acid)	C ₆ H ₅ OH	100	40				C	A	D		A	A		A	A	B	A	A	A			D	D					
Phenol (Carbolic acid)	C ₆ H ₅ OH	100	60	1.04	6		C	A	D		A	A		A	A		B	B	B			D	D					
Phenol (Carbolic acid)	C ₆ H ₅ OH	100	80				C	A	D		A	A		A	A		C	D	A			D	D					
Phenol dicarbonate		100	25	1.130																								
Phenol ether	C ₁₂ H ₁₀ O	100	20																									
Phenol ftaleine	C ₂₀ H ₁₄ O ₄	100	25	1.280																								



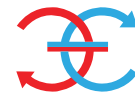
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Phenyl	C ₆ H ₅	100	20																									
Phenyl benzene	C ₆ H ₅ -C ₆ H ₅	100	20																	A		D	D					
Phenyl bisulfide, pure		100	20																A	A	D	C						
Phenyl bisulfide, pure		100	60																A		D	D						
Phenyl ethanol amine	C ₆ H ₅ NHCH ₂ CH ₂ OH	100	20	1.100																								
Phenyl ethyl ether	C ₆ H ₅ OC ₂ H ₅	100	20																		D	D	D					
Phenyl hydrazine	C ₆ H ₅ NHNH ₂	100	20	1.100													A	A	A	D	B	D	C			A		
Phenyl hydrazine chlorhydrate		100	20														A	A	A	A		A						
Phorone (Diisopropylideneacetone)	C ₉ H ₁₄ O	100	20																		C							
Phosgene, gas	COCl ₂	100	20	1.420	1	155											D											
Phosgene, liquid	COCl ₂	100	20	1.400				D				A				A	A	A	A	A		D				A		A
Phosphoric acid	H ₃ PO ₄	10	20	1.050			D	D	D	D	D	A		B	A	A	A	A	A	A	A	A	D		A	A		A
Phosphoric acid	H ₃ PO ₄	10	60				D	D	D	D	D	A		B	A	A	A	A	A	A	A	B	D			A		A
Phosphoric acid	H ₃ PO ₄	10	80				D	D	D	D	D	A		B	A	A	B	A	A	A	A	C	D			A		A
Phosphoric acid	H ₃ PO ₄	20	20	1.120		3	D	D	D	D	D	A		B	A	A	A	A	A	A	B	C	D			A		A
Phosphoric acid	H ₃ PO ₄	30	20	1.180			D	D	D	b	D	A		B	A	A	A	A	A	A	B	D	D			A		A
Phosphoric acid	H ₃ PO ₄	40	20	1.370		1.3	D	D	D	D	D	A		B	A	A	A	A	A	A	B	D	D			A		A
Phosphoric acid	H ₃ PO ₄	50	20				D	D	D	D	D	A		B	A	A	A	A	A	A	A	A	D			A		A
Phosphoric acid	H ₃ PO ₄	50	60				D	D	D	D	D	A		B	A	B	A	A	A	A	A	C	D			A		A
Phosphoric acid	H ₃ PO ₄	50	80				D	D	D	D	D	A		B	A	C	C	A	A	A	A	D	D					
Phosphoric acid	H ₃ PO ₄	60	20				D	D	D	D	D	A		B	A	C	A	A	A	A	A	C	D	A				
Phosphoric acid	H ₃ PO ₄	70	20	1.530			D	D	D	D	D	A		B	A	A	A	A	A	A	A	C	D			A		A
Phosphoric acid	H ₃ PO ₄	80	20	1.700			D	D	D	D	D	A		B	A	A	A	A	A	A	A	A	D			A		A
Phosphoric acid	H ₃ PO ₄	80	40				D	D	D	D	D	A		B	A	B	B	A	A	A	A	B	D			A		A
Phosphoric acid	H ₃ PO ₄	80	60				D	D	D	D	D	A		B	A	B	B	A	A	A	A	D	D			A		A
Phosphoric acid	H ₃ PO ₄	85	20	1.690			D	D	D	D	D	A		B												A		A
Phosphoric acid	H ₃ PO ₄	95	20	1.800			D	D	D	D	D	A		B			A	A	A	A		D	D			A		A
Phosphoric acid	H ₃ PO ₄	100	20	1.840			D	D	D	D	D	A		B												A		A
Phosphorous hydride (Phosphine)	PH ₃	100	20	0.756		3500												A	A	A		D						
Phosphorous oxychloride	POCl ₃	100	20	1.645		3.7		A				A		A			A		A			D				A		
Phosphorous pentachloride	PCl ₅	100	20	1.600		0.002		A		D		A		A			A	A	A							A		
Phosphorous pentasulphide	P ₂ S ₅	100	20	2.030																								
Phosphorous pentoxide, povvder	PO ₂ O ₅	100	20	2.390										A		A	A	A	A			D				A		
Phosphorous sulphide	P ₄ S ₃	100	20	2.030																								
Phosphorous thiochloride	PSCl ₃	100	25	1.630		2.9																						
Phosphorous trichloride, pure	PCI ₃	100	20	1.574		13.3		D						A			A	A	A	D		D	D					
Phosphorous, red		100	20														A	A	A	A								
Phosphorous, yellow	P ₄	100	20	1.800													A	A	A	A								

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Photogene, kerosene, paraffin		100	20	0.780	2.5	0.1	A		A	B				A	A	A	B	A	A	A	D	A	D					
Photographic developer	C ₆ H ₄ (OH) ₂	100	20				D	A	D		A	A		A	A	A	A	A	A	A	A	A				A		
Photographic emulsion		100	20																									
Photographic fixer	Na ₂ S ₂ O ₃	40	20	1.380										A			A	A				A						
Photographic fixer		100	20																									
Phthalic acid	C ₆ H ₄ (COOH) ₂ + H ₂ O	50	20					A								D	A	A	A	A	A	A				A		A
Phthalic acid	C ₆ H ₄ (COOH) ₂ , C ₆ H ₄ (CO ₂ H) ₂	100	20	1.600				A								D	D	A	A	A	A	A						
Phthalic anhydride	C ₆ H ₄ (CO ₂) ₂ O ₂	100	20	1.527								A						A	A							A		A
Phthalic anhydride, powder	C ₆ H ₄ (CO ₂) ₂ O ₂	100	20	1.527								A						A	A							A		A
Pickling solution (steel)		100	20					C						C		A	A	A	A	B	D							
Pickling solution (steel)		100	80					C						C		B	A	A	A	B	D							
Picric acid	C ₆ H ₂ (NO ₂) ₃ OH, HOC ₆ H ₂ (NO ₂) ₃	1	20				D	A	A	D				A	A		A	A	A	A		D				A		
Picric acid	C ₆ H ₂ (NO ₂) ₃ OH, HOC ₆ H ₂ (NO ₂) ₃	10	20				D		A	D				A	A	A	A	A	A	A	A	B	D					
Picric acid	C ₆ H ₂ (NO ₂) ₃ OH, HOC ₆ H ₂ (NO ₂) ₃	10	60				D		A	D				A	A	A	A		A	A	A	C	D					
Picric acid	C ₆ H ₂ (NO ₂) ₃ OH, HOC ₆ H ₂ (NO ₂) ₃	10	80				D		A	D				A	A	B	A		A	B	B	D	D					
Picric acid	C ₆ H ₂ (NO ₂) ₃ OH, HOC ₆ H ₂ (NO ₂) ₃	50	20				D	A	A	D				A	A			A		A		D				A		
Picric acid	C ₆ H ₂ (NO ₂) ₃ OH, HOC ₆ H ₂ (NO ₂) ₃	100	20	1.767			D	C	A	D				A	A													
Pinene		100	20																	A	D	B	B					
Polyethylene glycol		100	20													A	A	A	A	A	A							
Polyethylene glycol		100	80													B	B	A	A	A	A							
Polyvinyl acetate	(CH ₂ CHCOOCH ₃) _n	100	20				A										A	A	A	A	A	A	B					
Polyvinyl alcohol		100	20	1.2												A	A	A	A	A	A	A						
Potash	KCO ₃	100	20				D		C					A	A	A	A	A	A	A	A	A	D					
Potash (Potassium carbonate)	K ₂ CO ₃	100	20																									
Potash alum	KAl(SO ₄) ₂	100	20					A								A	A	A	A	A	A	A						
Potash alum	KAl(SO ₄) ₂	100	80					A								A	A	A	A	A	A	B						
Potassium	K	100	20	0.860		0																						
Potassium acetate, saturated	CH ₃ CO ₂ K	100	20					D				A		A		A	A	A	A	A	A	A	B			A		A
Potassium aluminium sulphate (Alum)	KAl(SO ₄) ₂	50	20	1.740				A							A	A	A	A	A	A	A	A	A			A		
Potassium aluminium sulphate (Alum)	KAl(SO ₄) ₂	100	20									B		A	A	A	A	A	A	A	A	A	A					
Potassium bicarbonate, saturated	KHCO ₃	100	25	2.170			D	D	A		B			B	A	A	A	A	A	A	A	A	A			A		
Potassium bichromate	K ₂ Cr ₂ O ₇	25	25	1.050			A	A	A			B		A	C	A	A	A	A	A	A	A	A					
Potassium bichromate	K ₂ Cr ₂ O ₇	40	20				A	A	A			B		A	C	A	A	A	A	A	A	A	A					
Potassium bichromate, saturated	K ₂ Cr ₂ O ₇	100	25	2.680			A	A	A			B		A	C	A	A	A	A	A	A	A	A					
Potassium bichromate, saturated	K ₂ Cr ₂ O ₇	100	80				A	A	A			B		A	C	B	B	A	A	A	A	B	A					
Potassium bifluoride	KHF ₂ , KF + $\frac{1}{2}$ H ₂ O	100	25	2.450										A			A	A										
Potassium bisulphate	KHSO ₄	5	25	1.035										D		A	A	A	A	A	A	A						
Potassium bisulphate	KHSO ₄	12	20	1.090				A						D		A	A	A	A	A	A	A						



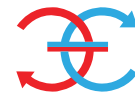
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Potassium bisulphate	KHSO ₄	100	20	2.320										D		A	A	A	A	A	A	A						
Potassium bisulphate	KHSO ₄	100	80											D		B	A	A	A	A	A	B						
Potassium bisulphite	KHSO ₄	100	20					D		D				A			A	A	A							A		
Potassium bitartrate (Tartar)	KHC ₄ H ₄ O ₆	100	20					A									A	A	A	A	A	A	A			A		
Potassium borate	K ₃ BO ₃	10	20													A	A	A	A	A	A	A						
Potassium borate	K ₃ BO ₃	100	20													A	A	A	A	A	A	A						
Potassium borhydride, powder	KBH ₄	100	20	1.180																								
Potassium bromate	KBrO ₃	100	20													A	A	A	A	A	A	A						
Potassium bromate	KBrO ₃	100	80													B	B	A	A	A	A	A						
Potassium bromide	KBr	100	20	1.374				A		D	A	A		B	A	A	A	A	A	A	A	A	A					
Potassium bromide	KBr	100	25	2.750				A		D	A	A		B	A	A	A	A	A	A	A	A						
Potassium carbonate (Potash)	K ₂ CO ₃	20	25	1.190		2.2	D	D	A	B	B	B		A	A	A	A	A	A	A	A	A	A				A	
Potassium carbonate (Potash)	K ₂ CO ₃	100	25	2.420			D	D	A	B	B	B		A	A	A	A	A	A	A	A	A	A				A	
Potassium chlorate	K ₂ CO ₃	50	20					A		B				A	A	A	A	A	A	A	A	A				A		
Potassium chlorate, aqueous	K ₂ CO ₃	100	25	2.320				C		B				A	A	A	A	A	A	A	A	C	A					
Potassium chlorate, aqueous	K ₂ CO ₃	100	80					C		B				A	A	B	B	A	A				A					
Potassium chloride	KCl	20	20	1.130			D	D	A	B	B	B		A	A	A	A	A	A	A	A	A	A					
Potassium chloride	KCl	100	20	1.980			D	D	A	B	B	B		A	A	A	A	A	A	A	A	A				A		
Potassium chromate	K ₂ CrO ₄	40	20				A	A	A	B	A	A		B	C	A	A	A	A	A	A	A	A				A	
Potassium chromate	K ₂ CrO ₄	100	20	2.730			A	B	A	B	A	A		B	C	A	A	A	A	A	A	A	A					
Potassium chromate	K ₂ CrO ₄	100	60				A	B	A	B	A	A		B	C	B	A	A	A	A	A	A	A					
Potassium chromate	K ₂ CrO ₄	100	80				A	B	A	B	A	A		B	C	B	B	A	A	A	A	B	A					
Potassium chromsulphate	KCr(SO ₄) ₂ ·12H ₂ O	100	20	1.830				A						A													A	
Potassium coppercyanide		100	20													A	A	A	A	A	A	A	A					
Potassium coppercyanide		100	80													B	A	A	A	A	A		A					
Potassium cyanate	KOCN	100	20	2.060																								
Potassium cyanide	KCN	38	20	1.180			C	D	A		B	D		A	A	A	A	A	A	A	A	A	A					
Potassium cyanide	KCN	50	20	1.310			C	D	A		B	D		A	A	A	A	A	A	A	A	A				A		A
Potassium cyanide	KCN	100	20	1.520			c	D	A		B	D		A	A	A	A	A	A	A	A	A						
Potassium cyanide	KCN	100	80				c	D	A		B	D		A	A	B	B	A	A				A					
Potassium dichromate, saturated	K ₂ Cr ₂ O ₇	100	20				A	A	A			B		A	C	A	A	A	A	A	A	A	A					
Potassium dichromate, saturated	K ₂ Cr ₂ O ₇	100	80				A	A	A			B		A	C	B	B	A	A	A	A	B	A					
Potassium ferricyanide	K ₃ Fe(CN) ₆	20	20	1.110								A				A	A	A	A	A	A	A				A		A
Potassium ferricyanide	K ₃ Fe(CN) ₆	50	20	1.850												A	A	A	A	A	A	A						
Potassium ferricyanide	K ₃ Fe(CN) ₆	100	20													A	A	A	A	A	A	A						
Potassium ferrocyanide	K ₄ Fe(CN) ₆	16	20	1.110				A				A				A	A	A	A	A	A	A				A		A
Potassium ferrocyanide	K ₄ Fe(CN) ₆	50	20	1.930												A	A	A	A	A	A	A						
Potassium ferrocyanide	K ₄ Fe(CN) ₆	100	20	1.850												A	A	A	A	A	A	A						

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Potassium fluoride	KF	45	20	1.460				A				A				A	A	A	A	A	A	A				A		A
Potassium fluoride	KF	100	20													A	A	A	A	A	A	A						
Potassium fluoride	KF	100	80															A	A	A	A	B						
Potassium hydrogen fluoride	KHF2	40	20					D				A		A			A	A	A							A		
Potassium hydrogen fluoride	khf2	100	20	2.370																								
Potassium hydroxide (Caustic potash)	KOH	100	20	2.044																								
Potassium hydroxide (Caustic potash)	KOH+H2O	20	20	1.190			D	D	C	B	B		B		A	A	A	A	A	D	A	B	D			A		A
Potassium hydroxide (Caustic potash)	KOH+H2O	25	20				D	D	C	B	B	B		B	A	A	A	A	A	D	A	B	D			A		A
Potassium hydroxide (Caustic potash)	KOH+H2O	25	60				D	D	C	B	B	B		B	A	A	A	B	A	D	A	C	D			A		A
Potassium hydroxide (Caustic potash)	KOH+H2O	25	80				D	D	C	B	B	B		B	A	B	A	C	A	D	A	D	D			A		A
Potassium hydroxide (Caustic potash)	KOH+H2O	30	20	1.290		2.2	D	D	C	B	B	B		B	A	A	A	A	A	D	A	B	D			A		A
Potassium hydroxide (Caustic potash)	KOH+H2O	45	20	1.470			D	D	C	B	B	B		B	A	A	A	A	A	D	A	D	D			A		A
Potassium hydroxide (Caustic potash)	KOH+H2O	50	25	1.510		2.2	D	D	C	B	B	B		B	A	A	A	A	A	D	A	D	D			A		A
Potassium hydroxide (Caustic potash)	KOH+H2O	60	20	1.630			D	D	C	D	B	B		B	A	A	A	A	A	D	A	D	D			A		A
Potassium hypochlorite	KClO	100	20	1.200	1											A		A	A	A	A	B						
Potassium iodate	KIO ₃	6	20	1.050													A	A	A							A		
Potassium iodide	KI	50	20	1.550				A		C						A	A	A	A	A	A	A				A		
Potassium iodide	KI	100	20	3.130				D		C						A	A	A	A	A	A	A						
Potassium iodide	KI	100	80					D		C						A	A	A	A	A	A	B						
Potassium monophosphate	K ₃ PO ₄	100	20				C		D					A	A							A	A					
Potassium nitrate	KNO ₃	10	20	1.080		2.2		A		B				A	A	A	A	A	A	A	A	A	A					
Potassium nitrate	KNO ₃	24	20	1.170				A		B				A	A	A	A	A	A	A	A	A	A			A		A
Potassium nitrate	KNO ₃	50	20					A		B				A														
Potassium nitrate	KNO ₃	100	20	2.106			B	A				B		B	A	A	A	A	A	A	A	A	A					
Potassium nitrate	KNO ₃	100	80				B	A				B		B	A		A	A	A	A	A	B	A					
Potassium nitrite	KNO ₂	18	20					A									A	A	A							A		A
Potassium oxalate	K ₂ (CO ₃) ₂ , K ₂ C ₂ O ₄ +H ₂ O	15	20	1.170				A																				
Potassium oxalate	K ₂ (CO ₃) ₂ , K ₂ C ₂ O ₄ +H ₂ O	100	20	2.130				A																		A		
Potassium perborate		100	20													A	A	A	A									
Potassium perchlorate	KClO ₄	1,7	20	1.010				A				A				A	A	A	A	A		A				A		A
Potassium perchlorate	KClO ₄	100	10	2.520												A	A	A	A									
Potassium perchlorate	KClO ₄	100	20													A	A	A	A									
Potassium perchlorate	KClO ₄	100	80													B	B	A	A									
Potassium permanganate	KClO ₄	6	20	1.040			C	A	A	B		A		B	A	A	A	A	A	A	A	D	A			A		
Potassium permanganate	KClO ₄	10	20				C		A	B		A		B	A	A	A	A	A	A	A	C	A					
Potassium permanganate	KClO ₄	10	60				C		A	B		A		B	A	A	A	A	A	A	B	A						
Potassium permanganate	KClO ₄	20	20	1.040		2.2	C		A			A		B	A	A	A	A	A	A	A	D	A					
Potassium permanganate	KClO ₄	25	20				C		A			A		B	A	A	A	A	A	A	A	D	A					



Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Potassium permanganate	KMnO ₄	25	80				C		A			A		B	A	B	B	A	A			D	A					
Potassium permanganate	KMnO ₄	100	20	2.703			C		A			A		B	A	A	A		A	A			A					
Potassium peroxide	K ₂ O ₂	100	20																									
Potassium persulphate	K ₂ S ₂ O ₈	100	20	2.480				D				A		A		A	A	A	A	A		D				A		
Potassium phosphate	KH ₂ PO ₄ , K ₂ HPO ₄	10	20					D						A	A		A	A	A			A	A					
Potassium phosphate	KH ₂ PO ₄ , K ₂ HPO ₄	100	20																									
Potassium silicate	K ₂ SiO ₃	100	20					A									A	A	A							A		A
Potassium sulphate, pure	K ₂ SO ₄	10	20	1.080			C	A	A	C		A		A	A	A	A	A	A	A	A	A	A			A		A
Potassium sulphate, pure	K ₂ SO ₄	100	20	2.660			C	A	A	C		B		B	A	A	A	A	A	A	A	A	A					
Potassium sulphate, pure	K ₂ SO ₄	100	80				c	A	A	c		B		B	A	A	A	A	A	A	B		A					
Potassium sulphide	K ₂ S	45	20	1.430				D				D		A			A	A	A							A		A
Potassium sulphide	K ₂ S	100	15	1.805																								
Potassium sulphite	K ₂ SO ₃	20	20	1.180				A						A			A	A										A
Potassium tartrate	KHC ₄ H ₄ O ₆	100	20					A									A	A	A	A	A	A	A	A		A		
Potassium thiocyanide	KCNS	25	20	1.130				A				A					A	A	A							A		A
Producer gas		100	20					B						B				A	A	A		A	B					
Propane, gas pure	C ₃ H ₈ , CH ₃ CH ₂ CH ₃	100	20	0.500	0.4	800	A	A						A	A	A	A	A	A	A	D	A	A					
Propane, liquid pure	C ₃ H ₈ , CH ₃ CH ₂ CH ₃	100	20																									
Propanol	C ₃ H ₇ OH	100	20	0.800																								
Propargyl alcohol	CHCCH ₂ OH	7	20	0.970				A									A	A	A	A		A						
Propargyl bromide	HC≡CCH ₂ Br	100	20	1.570																								
Propene	C ₃ H ₆ , CH ₃ CH=CH ₂	100	20	0.510		800																						
Propionaldehyde	C ₂ H ₅ CHO	100	30	0.810		53.2																						
Propionic acid	C ₂ H ₅ COOH, CH ₃ CH ₂ COOH	25	20	1.030			B	A				A		A	A		A	A	A	A	A	D	D	A				
Propionic acid	C ₂ H ₅ COOH, CH ₃ CH ₂ COOH	50	20				B	A				A		A	A		A	A	A	A	A	D	D	A		A		
Propionic acid	C ₂ H ₅ COOH, CH ₃ CH ₂ COOH	100	20	0.993	1	1.3	B	A				A		A	A		A	A	A	A	A	D	D	A		A		
Propyl acetate (N-Propyl acetate), pure	CH ₃ COO-C ₃ H ₇	100	20	0.890			A		A					A	A			A	A	A	D	B	D	D				
Propyl acetate (N-Propyl acetate), pure	CH ₃ COO-C ₃ H ₇	100	40						A					A	A			B	A	D		D	D					
Propyl acetate (N-Propyl acetate), pure	CH ₃ COO-C ₃ H ₇	100	60						A					A	A			C	A	D		D	D					
Propyl acetate (N-Propyl acetate), pure	CH ₃ COO-C ₃ H ₇	100	80						A					A	A			D		D		D	D					
Propyl acetone, pure		100	20															D										
Propyl alcohol, pure	C ₂ H ₅ CH ₂ OH	100	20	0.800			A	A	C			A	A		A	A	A	A	A	A	A	B	A			A		
Propyl alcohol, pure	C ₂ H ₅ CH ₂ OH	100	60				A	A	C			A	A		A	A	A	A	A	A	A	C	A					
Propyl alcohol, pure	C ₂ H ₅ CH ₂ OH	100	80				A	A	C			A	A		A	A	B	B	A	A	A	D	A					
Propyl amine	CH ₃ (CH ₂) ₂ NH ₂	100	20	0.720		33																						
Propyl glycol	CH ₂ OH-CH ₂ OC ₃ H ₇	100	20	0.910		0.2																						
Propyl nitrate	CH ₃ (CH ₂) ₂ NO ₃	100	20	1.058				A							A			A	A	D								
Propylene	CH ₃ CH=CH ₂	100	20	0.510		1020		A						A				A	A	A	D	D	D					

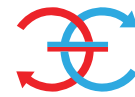
Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductiie iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic	
Propylene chlorohydrin	C ₃ H ₇ ClO	100	20																A										
Propylene dichloride, pure	CH ₂ ClCHClCH ₃	100	20	1.160		5.6														B	D	D							
Propylene glycol (1,2-Propanediol)	(CH ₂) ₂ OHOCH ₃ , C ₃ H ₈ O ₂	100	20	1.040	55	0	A	A	A			A		A	A		A	A	A	A	A	A	C	A		A			
Propylene oxide	CH ₂ OCHCH ₃	100	20	0.830		60		B						A			A	D	A	D	D	D	D						
Protein solutions		100	20					A				A		A			A	A	A							A			
Silicon grease		100	20															A	A	A		A	A						
Silicon L-45		100	20				A		A					A	A					A		A	A						
Silicon tetrachloride	SiCl ₄	100	20	1.490	0.3	26																							
Silicone oil		100	20				A	A	A					A	A	A	A	A	A	A	A	A	A		A	A			
Silikon X-527		100	20				A		A					A	A					A		A	A						
Silver bromide	AgBr	100	25	6.470				D			B	A		B	A														
Silver chloride	AgCl	100	25	5.560																									
Silver cyanide	AgCN	100	20													A	A	A	A	A	A	A							
Silver nitrate	AgNO ₃	8	20	1.070			D	D	D	D	B	A		A	A	A	A	A	A	A	A	A	A			A			
Silver nitrate	AgN03	20	20	1.190			D	D	D	D	B	A		A	A	A	A	A	A	A	A	A	A			A			
Silver nitrate	AgNOg	100	20	4.350			D	D	D	D	B	A		A	A	A	A	A	A	A	A	A	A						
Silver nitrate	AgN03	100	80				D	D	D	D	B	A		A	A		A	A	A	A	A	B	A						
Silver salts		100	20																										
Silver sulphate	Ag2S04	100	20													A	A	A	A	A	A	A							
Silver sulphate	Ag2S04	100	80													A		A	A	A	A	B							
Silver, plating solution		100	20									A		A	A	A	A	A	A	A	A	A	A						
Skydrol 500		100	20																	D	A	D	D						
Skydrol 7000		100	20																	B	A	D	D						
Soap		100	20					C		B				A		A	A	A	A	A	A	A							
Soap solution		100	20				C	A	A					A	A	A	A	A	A	A	A	A	C			A			
Soda (Sodium karbonate)	Na2C03	100	20																										
Soda lime		100	20																										
Sodium	Na	100	20	0.970		0										A	A	A	A	A	A	A							
Sodium	Na	100	80													B	B	A	A	A	A	A							
Sodium acetate, saturated	NaCH3COO, NaC2H302+3H20	100	20	1.450			A	A		C		A		B	A	A	A	A	A	B	A	A	A			A		A	
Sodium acetate, saturated	NaCH3COO, NaC2H302+3H20	100	40				A	A		C				B	A	A	A	A	A	C	A	A	A						
Sodium acetate, saturated	NaCH3COO, NaC2H302+3H20	100	80				A	A		C				B	A	A	A	A	A		A	B	A						
Sodium alum, saturated		100	20													A	A	A	A	A	A	A							
Sodium alum, saturated		100	80													A	A	A	A	A	A	B							
Sodium aluminate	NaAl02	100	20					D		C	B			A	A				A	A	A	A	A			A			
Sodium aluminium sulphate	NaAl(S04)2	100	20					A				A					A	A	A							A			
Sodium arsenate	Na2HAs04+7H20	100	25	1.880				D				A					A	A	A							A			
Sodium arsenite	NaAs, NaAs02	20	20				D	D	D			A		A	A		A	A		A			A						



Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductiie iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Sodium arsenite	NaAs, NaAsO2	100	20				D	D	D			A		A	A		A	A	A	A			A			A		
Sodium benzoate	NaC6H5CO2	100	20									A		A		A	A	A	A			A				A		
Sodium bicarbonate	NaHCO3	5	20	1.040			A	A	C	C	B	B		A	A	A	A	A	A	A	A	A	A					
Sodium bicarbonate	NaHCO3	10	20	1.070			A	A	C	C	B	B		A	A	A	A	A	A	A	A	A	A			A		
Sodium bicarbonate	NaHCO3	100	20	2.160			A	c	c	C	B	B		A	A	A	A	A	A	A	A	A	A					
Sodium bichromate, saturated	Na2Cr2O7+2H2O	10	20					A				A				A	A	A	A	A	A	A				A		A
Sodium bichromate, saturated	Na2Cr207+2H2O	100	20	2.520												A	A	A	A	A	A	A						
Sodium bichromate, saturated	Na2Cr207+2H2O	100	80													B	B	A	A	A	A	B						
Sodium bisulphate	NaHSO4+H2O	10	20	1.080			C		D	D	B	B		A	A	A	A	A	A	A	A	A	C					
Sodium bisulphate	NaHSO4+H2O	50	20	1.160			C	A	D	D	B	B		A	A	A	A	A	A	A	A	A	A			A		A
Sodium bisulphate	NaHSO4+H2O	100	20	2.100			C		D	D	B	B		A	A	A	A	A	A	A	A	A	C					
Sodium bisulphate	NaHSO4+H2O	100	80				C		D	D	B	B		A	A	B	B	A	A	A	A	A	C					
Sodium bisulphite	NaHSO3	10	20	1.100		2.2	C	A	D	D		A		A	A	A	A	A	A	A	A	A	A					
Sodium bisulphite	NaHSO3	100	20	1.480			C	A	D	D		A		A	A	A	A	A	A	A	A	A	A			A		A
Sodium bisulphite	NaHSO3	100	80				C	A	D	D		A		A	A	B	B	A	A	A	A	A	A					
Sodium borate, saturated	Na2B407+10H2O	100	20	1.030				A						B			A	A	A	A	A	A	A			A		A
Sodium borhydride, powder	NaBH4	100	20	1.074																								
Sodium bromate	NaBrO3	25	20	1.230													A	A	A			A				A		
Sodium bromate	NaBrO3	100	20																									
Sodium bromide	NaBr	40	20	1.410				D		D				C		A	A	A	A			A						
Sodium bromide, saturated	NaBr+2H2O	100	20	2.180				D		D				C		A	A	A	A			A						
Sodium bromite	NaBrO2	100	20					D						A				A	A							A		
Sodium carbonate (Soda) (Soda Ash)	Na2CO3	10	20	1.150		2.2	B	D	A	B	B			A	A	A	A	A	A	A	A	A	A					
Sodium carbonate (Soda) (Soda Ash)	Na2CO3	25	20	1.127			B	D	A	B	B			A	A	A	A	A	A	A	A	A	A					
Sodium carbonate (Soda) (Soda Ash)	Na2CO3	100	80				B	D	A	B	B			A	A	A	A	A	A	A	A	B	A					
Sodium carbonate (Soda), povvder	Na2CO3	100	20	2.510			B	D	A	B	B			A	A	A	A	A	A	A	A	A	A					
Sodium chlorate, saturated	NaClO3	25	20	1.230				A		C		A			A	A	A	A	A	A	A	A	A			A		
Sodium chlorate, saturated	NaClO3	28	20	1.410				A		C		A			A	A	A	A	A	A	A	A	A			A		
Sodium chlorate, saturated	NaClO3	100	20	2.490				C		C		A		B	A	A	A	A	A	A	A	C	A					
Sodium chlorate, saturated	NaClO3	100	80					C		C		A		B	A	B	B	A	A				A					
Sodium chloride (Common salt)	NaClO3	25	20				C	D	A	D	A	A		B	A	A	A	A	A	A	A	A	A		C	A		
Sodium chloride (Common salt)	NaCl	100	20	2.170			C	D	A	D	A	A		B	A	A	A	A	A	A	A	A	A		c			
Sodium chloride (Common salt)	NaCl	100	80				C	D	A	D	A	A		B	A	A	A	A	A	A	A	B	A		c			
Sodium chlorite	NaClO2	25	20													D	D	B	B	D	D	D						
Sodium chlorite	NaClO2	25	40													D	D	C	B	D	D	D						
Sodium chlorite	NaClO2	25	60													D	D	D	B	D	D	D						
Sodium chlorite, diluted	NaClO2	100	20					D				A					A	A	A	A		D				D		
Sodium chromate	Na2CrO4+10H2O	100	20				A	A	A			A		A	C		A	A	A	A		A	A			A		A

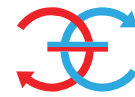


Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Sodium cyanide	NaCN	100	20	1.600			D	D	A	B				A	A	A	A	A	A	A	A	A	A		A	A		A
Sodium cyanide, solution	NaCN	100	20				D	D	A	B				A	A	A	A	A	A	A	A	A	A		A			
Sodium cyanide, solution	NaCN	100	80				D	D	A	B				A	A	B	B	A	A	A	A	A	A		A			
Sodium dichloroisocyanurate	NaC ₃ Cl ₂ N ₃ O ₃	100	20	0.950																								
Sodium dichromate	Na ₂ Cr ₂ O ₇ ·2H ₂ O	100	20	2.520												A	A	A	A	A	A	A						
Sodium dihydrogen phosphate	NaH ₂ PO ₄	10	20	1.070													A	A								A		
Sodium diphosphate	Na ₂ HPO ₄	100	20				C		A					A	A							A	C					
Sodium disulphite	Na ₂ S ₂ O ₅	100	20														A	A				A				A		
Sodium dithionite	Na ₂ S ₂ O ₄	10	20																									
Sodium dithionite	Na ₂ S ₂ O ₄	100	20																									
Sodium ethylate (Sodium ethoxide)	NaC ₂ H ₅ O	100	20					D						A					A									
Sodium ferricyanide, saturated		100	20												A	A	A	A	A	A	A	A						
Sodium ferricyanide, saturated		100	80													B	B	A	A									
Sodium ferrocyanide, saturated		100	20													A	A	A	A	A	A	A						
Sodium ferrocyanide, saturated		100	80													B	B	A	A									
Sodium fluoride	NaF	5	20	1.050				A		D				A		A	A	A	A	A	A	A				A		A
Sodium fluoride	NaF	100	20	2.550				C		D				A		A	A	A	A	A	A	A						
Sodium fluorsilicate	Na ₂ SiF ₆	100	20	2.680																								
Sodium formate	NaHCO ₂	46	20					A				A		A				A	A							A		
Sodium hexametaphosphate (Calgon)	(NaPO ₃) ₆	100	20				C								A					A		A						
Sodium hydrogen difluoric	NaHF ₂	100	25	2.080																								
Sodium hydrogen phosphate	Na ₂ HPO ₄	6	20	1.070													A	A										
Sodium hydrosulphate	NaHSO ₄	100	20	2.440			C					B		A	A	A	A	A	A	A	A	A	C					
Sodium hydrosulphate	NaHSO ₄ ·H ₂ O	100	20	2.100			C					B		A	A	A	A	A	A	A	A	A	C					
Sodium hydrosulphide	NaHS	100	20	1.790																								
Sodium hydrosulphite	Na ₂ S ₂ O ₄ ·2H ₂ O, Na ₂ S ₂ O ₄	100	20	1.400													A	A										
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	10	20	1.22			D	D	A	B				A	A	A	A	A	A	C	A	A	A	A				
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	15%	20	1.160			D	D	A	B				A	A	A	A	A	A	C	A	A	A	A				A
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	15	60				D	A	A	B				A	A	A	A	B	A	D	A	A	A					
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	15	80				D	A	A	B				A	A	B	B	C	A	D	B	C	A					
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	20	20	1.22	0.8		D	D	A	B	A			A	A	A	A	A	A		A	A	A	A				
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	30	20	1.330	0.8	2.2	D	D	C	B				A	A	A	A	A	A	C	A	A	C	A				A
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	30	40				D	A	C	B				A	A	A	A	A	A	D	A	A	C	A				
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	30	60				D	A	C	B				A	A	A	A	B	A	D	A	A	C					
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	30	80				D	A	C	B				A	A	B	B	C	A	D	A	A	C					
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	40	20	1.43	14					B							C	A	A	C	A	A	A	A				
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	50	20	1.530	25		D	A		B	A	A		B	A	A	A	A	A	D	A	A	B	A		A		A
Sodium hydroxide (Caustic soda)	NaOH+H ₂ O	50	40				D	A		B	A	A		B	A	A	A	B	A	D	A	A	B	A				



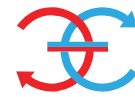
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Sodium hydroxide (Caustic soda)	NaOH+H2O	50	60				D	A		B	A	A		B	A	A	A	C	A	D	A	A	B	A				
Sodium hydroxide (Caustic soda)	NaOH+H2O	50	80				D			B	A	A		B	A	B	B	D	A	D	A	A	B					
Sodium hydroxide (Caustic soda)	NaOH+H2O	70	20				D	D		B					A	A	B	A	A	D	A	D	B					
Sodium hydroxide (Caustic soda)	NaOH+H2O	70	40				D	D		B					A	A	B	B	A	D	A	D	B					
Sodium hydroxide (Caustic soda)	NaOH+H2O	70	60				D	D		B					A	A	B	C	A	D	A	D	B					
Sodium hydroxide (Caustic soda)	NaOH+H2O	70	80				D	D		B					A	B	B	D	A	D	B	D	B					
Sodium hydroxide (Caustic soda)	NaOH+H2O	80	20				D	D		B	B	B		C	A	A	A		A	D	A	D	B					
Sodium hydroxide (Caustic soda)	NaOH	100	20	2.130																								
Sodium hypochlorite	NaClO	5	20	1.020		2.3	D	D	D																A			
Sodium hypochlorite	NaClO	13	20	1.200	1		D	D	D			A		C	A	A	B	A	A	D	D	D	B		A			
Sodium hypochlorite	NaClO	13	60				D	D	D			A		C	A	B	c	B	A	D	D	D	B		A			
Sodium hypochlorite	NaClO	20	20				D	D	D			A		C	A	A	A		A	A	B	B	B					
Sodium hypochlorite, solution	NaClO	100	20	1.220			D	D	D			A		C	C		A		A	A	D	D	B			A		
Sodium iodide	NaI	100	20					A						D			A	A	A			A				A		
Sodium metaphosphate	NaPO3	100	20				C	A	D					A	A		A		A	A	A	A	B					
Sodium metasilicate	NaSiO3	100	20				A		A					A	A	A	A	A	A	A	A	A	A					
Sodium methylete	NaCH3O	100	20																									
Sodium monophosphate, di, tri	NaH2PO4	100	20				A		D					C	A					A		A	A					
Sodium nitrate	NaNO3	4	20	1.030			C	A	A	B				A	A	A	A	A	A	A	A	A	C					
Sodium nitrate	NaNO3	45	20	1.370			C	A	A	B		A		A	A	A	A	A	A	A	A	A	C			A		A
Sodium nitrate, saturated	NaNO3	100	20	2.260			C	A	A	B				B	A	A	A	A	A	A	A	A	C					
Sodium nitrate, saturated	NaNO3	100	80				C	A	A	B				B	A	A	A	A	A	A	A	B	C					
Sodium nitrite	NaNO2	50	20					A				A				A	A	A	A	A	A	A				A		A
Sodium nitrite, saturated	NaNO2	100	20	2.170				A								A	A	A	A	A	A	A						
Sodium nitrite, saturated	NaNO2	100	80					A								B	A	A	A	A	A	B						
Sodium oleate	NaC17H33CO2	100	20					A				A		A					A							A		
Sodium orthophenylphenate	NaC6H5C6H4O	100	20											A	A							D	A					
Sodium oxalate	Na2C2O4	3,3	20					A						A			A	A	A			A				A		
Sodium oxalate	Na2C2O4	100	20																									
Sodium palmitate		100	20															A	A									
Sodium palmitate solution		5	20															A	A									
Sodium perborate	NaBO3+4H2O, NaBO2H2O2	100	20				D	D	C	B				C	A	C	A	A	A	A	A	B	D			A		
Sodium perchlorate	NaClO4+H2O	10	20	1.070										A		A	A	A	A									
Sodium perchlorate	NaClO4+H2O	25	20	1.180				A				A		A		A	A	A									A	
Sodium perchlorate	NaClO4+H2O	100	20	2.020										A		A	A	A	A									
Sodium perchlorate	NaClO4+H2O	100	80											A		B	B	A	A									
Sodium persulfate	Na2S2O8	100	20														A	A										
Sodium peroxide	Na2O2	5	20				D	D		C	B	B		A	A	A	A	A	A	A	A	A	D			D		A

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Sodium peroxide	Na2O2	10	20	1.110			D	D		C	B	B		A	A	A	A	A	A	A	A	A	D					
Sodium peroxide	Na2O2	50	20				D	D	D		B	B		A	A	A	A	A	A	A	A	A						
Sodium peroxide	Na2O2	100	20	2.810			D	D	C		B	B		A	A	A	A	A	A	A	A	A	D					
Sodium peroxide	Na2O2	100	80				D	D	C		B	B		A	A	B	B	A	A	A	A		D					
Sodium persulphate	Na2S2O8	100	20					D						A			A	A	A			D				A		
Sodium phosphate acid		100	20													A	A	A	A	A	A	A						
Sodium phosphate acid		100	80													B		A	A	A	A	A						
Sodium phosphate, alkaline		100	20							C				A		A	A	A	A	A	A	A						
Sodium phosphate, neutral	Na3PO4	100	20				C	A		C				A	A	A	A	A	A	A	A	A	B	A		A		
Sodium phosphate, neutral	Na3PO4	100	80					B		c				A	A	B	A	A	A	A	A	B						
Sodium phosphate, primary	NaPO3+12H2O	10	20	1.070		2.2		D		c				A														
Sodium phosphate, primary	NaPO3+12H2O	100	25	1.910				D		c				A														
Sodium phosphate, secondary	NaPO3+12H2O	50	20	1.250		2.3		D		c				A														
Sodium phosphate, secondary	NaH2PO4+12H2O	100	25	1.520				D		c				A														
Sodium phosphate, tertiary	Na3PO4+12H2O	100	25	1.620				D		c				A														
Sodium polyphosphate		100	20				C		D					A	A					A	A	A	C					
Sodium propionate	CH3CH2CO2Na	4	20	1.040				A									A	A	A							A		
Sodium pyrophosphate	Na4P2O7	100	20														A	A										
Sodium silicate	Na2SiO3	20	20	1.240			C	A	A	B				A	A		A	A	A	A	A	A	A	A	A	A		A
Sodium silicate	Na2SiO3	100	20	2.400			C	D	A	B				B	A		A	A	A	A	A	A	A	A	A	A		
Sodium silicofluoride	Na2SiF6	100	20					D									A	A										
Sodium sulphate (Glauber's salt)	Na2SO4, Na2SO4+10H2O	1	20	1.100		2.2	B	A	A	B	B	B		B	A	A	A	A	A	A	A	A	D		A			
Sodium sulphate (Glauber's salt)	Na2SO4, Na2SO4+10H2O	5	20	1.020		2.2	B	A	A	B	B	B		B	A	A	A	A	A	A	A	A	D		A			
Sodium sulphate (Glauber's salt)	Na2SO4, Na2SO4+10H2O	50	20	1.460			B	A	A	B	B				A	A	A	A	A	A	A	A	D		A	A		
Sodium sulphate (Glauber's salt)	Na2SO4, Na2SO4+10H2O	100	20				B	A	A	B	B	B		B	A	A	A	A	A	A	A	A	D		A			
Sodium sulphate, saturated	Na2SO4	100	20				B	A	A	B	B	B		B	A	A	A	A	A	A	A	A	D		A			
Sodium sulphate, saturated	Na2SO4	100	80				B	A	A		B	B		B	A	A	A	A	A	A	A	B	D		A			
Sodium sulphide	Na2S, Na2S+9H2O	16	20	1.160			D	D	A	B	B	A		B	A	A	A	A	A	A	A	A	A		A	A		A
Sodium sulphide	Na2S, Na2S+9H2O	20	20	1.070		2.2	D	D	A	B	B	A		B	A	A	A	A	A	A	A	A		A				
Sodium sulphide	Na2S, Na2S+9H2O	100	20	1.856			D	D	A	B	B	A		B	A	A	A	A	A	A	A	A		A				
Sodium sulphide	Na2S, Na2S+9H2O	100	20	1.420			D	D	A	B	B	A		B	A	A	A	A	A	A	A	A		A				
Sodium sulphide	Na2S, Na2S+9H2O	100	80				D	D	A	B	B	A		B	A	A	A	A	A	A	A	B	A		A			
Sodium sulphite	Na2SO3, Na2SO3+7H2O	18	20	1.180			C	A	A	B				A	A	A	A	A	A	A	A	A				A		A
Sodium sulphite	Na2SO3, Na2SO3+7H2O	40	20				C	A	A	B				A	A	A	A	A	A	A	A	A				A		A
Sodium sulphite	Na2SO3, Na2SO3+7H2O	100	20	1.530			c		A						A	A	A	A	A	A	A	A						
Sodium sulphite	Na2SO3, Na2SO3+7H2O	100	80				c		A						A	A	A	A	A	B	B		A					
Sodium tartrate	C4H4O6Na2	50	20									A														A		



Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Sodium tetraborate (Borax), saturated	Na ₂ B ₄ O ₇ +10H ₂ O	100	20	1.030			A	C	A	C		A		A	A	A	A	A	A	A	A	A	C			A		
Sodium tetraborate (Borax), saturated	Na ₂ B ₄ O ₇ +10H ₂ O	100	40				A	C	A	C		A		A	A	A	A	A	A	A	A	B	C					
Sodium tetraborate (Borax), saturated	Na ₂ B ₄ O ₇ +10H ₂ O	100	60				A	C	A	C		A		A	A	A	A	A	A	A	A	C	C					
Sodium tetraborate (Borax), saturated	Na ₂ B ₄ O ₇ +10H ₂ O	100	80				A	C	A	C		A		A	A	A	A	A	A	A		D	C					
Sodium thiocyanate		100	20													A	A	A	A	A	A	A						
Sodium thiosulphate	Na ₂ S ₂ O ₃ , Na ₂ S ₂ O ₃ +5H ₂ O	40	20				D	A	C					A	A	A	A	A	A	A	A	A	A			A		
Sodium thiosulphate	Na ₂ S ₂ O ₃ , Na ₂ S ₂ O ₃ +5H ₂ O	100	20	1.730			D	A	C					A	A	A	A	A	A	A	A	A	A					
Sodium thiosulphate	Na ₂ S ₂ O ₃ , Na ₂ S ₂ O ₃ +5H ₂ O	100	80				D	A	C					A	A	B	A	A	A	A	A	B	A					
Sodium triphosphate	Na ₃ PO ₄	100	20				D		A					A	A							A	C					
Sodium tripolyphosphate	Na ₅ P ₃ O ₁₀	100	20				D		D					A	A							A						
Sodium, saturated	Na	100	20	0.970		0										A	A	A	A	A	A	A						
Sodium, saturated	Na	100	80													B	B	A	A	A	A	B						
Sour crude oil		100	20														A	A	A	A	D	B						
Soya sauce		100	20				A		D					A	A					A		A	A					
Soybean oil		100	20	0.940	60		A	A	A					A	A	A	A	A	A	A	A	D		C				
Soybean oil		100	80		12		A	A	A					A	A	B	B	A	A	A	C	D	D		C			
Sperm oil		100	20	0.88	27		A		A					A	A	A				A		A	D					
Spindle oil		100	20					A									A	A	A	A		A						
Spinning acid	H ₂ SO ₄ - haltig	10	20											D			A	A										
Spinning bath acids	CS ₂ - haltig	100	20									A					A	A				D						
Stannic chloride (Tin (IV) chloride)	SnCl ₄	100	20	3.950			D	D	D	D				A	A	A	A	A	A	A	A	A	A					
Stannic chloride (Tin (IV) chloride)	SnCl ₄	100	80				D	D	D	D				A	A	B	B	A	A	A		A	Â					
Stannic fluoborate	Sn(BF ₄) ₂	100	20				D		D					A	A					A		A	A					
Stannous chloride (Tin (II) chloride)	SnCl ₂ , SnCl ₂ +2H ₂ O	20	20	1.170				D		D		A		D		A	A	A	A	A	B	A	A			A		A
Stannous chloride (Tin (II) chloride)	SnCl ₂ , SnCl ₂ +2H ₂ O	100	20	2.710				D		D		A		D		A	A	A	A	A	B	A	A			A		A
Stannous chloride (Tin (II) chloride)	SnCl ₂ , SnCl ₂ +2H ₂ O	100	80					D		D		A		D		B	B	A	A	A		A	A					
Stannous sulphate	SnSO ₄	100	20														A	A								A		
Stannous tetrachloride	SnCl ₄	100	20	2.330										D			A	A	A							A		A
Starch	(C ₆ H ₁₀ O ₅) _x	100	20				A	A	C	C				A	A	A	A	A	A	A	A	A	A			A		
Starch syrup		100	20					A									A	A	A	A		A						
Steam above 150 C		100						A						A						D		D	D					
Steam under 150 C		100						A						A				A	A	D		D	C					
Stearic acid	C ₁₇ H ₃₅ COOH	100	20	0.940			C	A		C	A	A		A	A	A	B	A	A	A	D	B	C			A		
Stearic acid	C ₁₇ H ₃₅ COOH	100	60				C	A		C	A	A		A	A	A	B	A	A	B	D	B	C					
Stearic acid	C ₁₇ H ₃₅ COOH	100	80				C			C	A	A		A	A	B	C	A	A	C	D		C					
Stoddard solvent		100	20				A	A	A					A	A	A	A		A	A	D	A	D					
Strontium nitrate	Sr(NO ₃) ₂	40	20	1.420													A	A								A		

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Strontium nitrate	Sr(NO ₃) ₂	100	20	2.986																								
Strontium peroxide	SrO ₂	100	20	4.560																								
Styrene	C ₆ H ₅ CHCH ₂ (COOH) ₂	100	20	0.910	11	0.6		A						A	A		c	A	A	C	D	C	D	A				
Succinic acid (Amber acid)	C ₄ H ₆ O ₄ , C ₂ H ₄ (COOH) ₂	50	20	1.060				A				A		A		A	A	A	A	A	A	A				A		A
Succinic acid (Amber acid)	C ₄ H ₆ O ₄ , C ₂ H ₄ (COOH) ₂	100	20													A	A	A	A	A	A	A						
Succinic acid (Amber acid)	C ₄ H ₆ O ₄ , C ₂ H ₄ (COOH) ₂	100	80													B	B	A	A									
Sucrose solution		100	20					B						A					A	A	A	A	A					
Sugar		100	20				A	A	A			A		A	A		A		A	A		A	A					
Sugar solution		100	20					A				A			A		A	A	A	A		A	A					
Sugar svrup		100	20																									
Sulfamic acid	NH ₂ SO ₃ H	20	20													D	D	D										
Sulfanilic acid	C ₆ H ₄ NH ₂ SO ₃	100	20															A								A		
Sulfurous oxychloride	SOCl ₂	100	20	1.640		12.4																						
Sulphate liquor (Black liquor)	Ca(HSO ₃) ₂	100	20				D		D			A		C	A					A	A	A	A					
Sulphinol		100	20																A									
Sulphite liquor		6	20				D	D						A	A	A	A	A	A	A	A	D	B					
Sulphite liquor, paper processes		100	20				A		A					A	A		A	A					A					
Sulphite liquor, pulp processes		100	20				D		C					A	A		A	A				A	A					
Sulpholane	C ₄ H ₈ O ₂ S	100	20																									
Sulphur	s	100	20	2.060			D	A	A					A		A	A	A	A	A	C	D	A					
Sulphur	s	100	80				D	A	A					A		B	A	A	A			D	A					
Sulphur chloride	S ₂ Cl ₂	100	20	1.680			D	D	D					D	C		C	A	A	A	D	C	D					
Sulphur chloride	S ₂ Cl ₂	100	40				D	D	D					D	C		D	A	A		D	C	D					
Sulphur chloride	S ₂ Cl ₂	100	20	1.680			D	D	D	D				D	C		C	A	A	A	D	C	D			A		A
Sulphur chloride	S ₂ Cl ₂	100	40				D	D	D	D				D	C		D	A	A		D	D						
Sulphur dichloride	scl ₂	100	20														C	A	A	A	D	D						
Sulphur dichloride	scl ₂	100	40														D				D	D						
Sulphur dioxide, aqueous	so ₂	100	20																									
Sulphur dioxide, dry	so ₂	100	20	1.460		340	D	D	A			B		B	A	A	A	A	A	A	A	D	D					
Sulphur dioxide, humid (wet)	so ₂	100	20	1.400			D	D	A			B		B	A	A	A	A	A	A	A	D	D			A		A
Sulphur dioxide, humid (wet)	so ₂	100	80				D	D	A			B		B	A	B	B	A	A			D	D			A		A
Sulphur hexafluoride	SF ₆	100	20																A	A	A	B	A		A			
Sulphur trioxide	SO ₃	100	20	1.990			A	D						C	A	D	D	D	B	C	C	D	D	A		D		
Sulphur trioxide	so ₃	100	40				A	D						C	A	D	D	D		D	D	D	D	A		D		
Sulphuric acid	H ₂ SO ₄	10	20	1.070			D	D	D	D	C	A		C	A	A	A	A	A	A	A	A	D	A	A			
Sulphuric acid	H ₂ SO ₄	10	80				D	D	D	D	c	A		C	A	A	A	A	A	A	A	B	D	A	A			
Sulphuric acid	H ₂ SO ₄	15	20	1.100			D	D	D	D	c	A		C	A	A	A	A	A	A	A	A	D	A	A			
Sulphuric acid	H ₂ SO ₄	20	20	1.140			D	D	D	D	c	A		c	A	A	A	A	A	A	A	A	D	A	A			



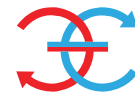
Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Sulphuric acid	H ₂ SO ₄	30	20	1.220			D	D	D	D	C	B		D	A	A	A	A	A	A	A	A	D	A	A			
Sulphuric acid	H ₂ SO ₄	30	80				D	D	D	D	C	B		D	A	A	A	A	A	A	B	B	D		A			
Sulphuric acid	H ₂ SO ₄	40	20	1.300			D	D	D	D	C	B		D	A	A	A	A	A	A	A	D	D	A	A	A		A
Sulphuric acid	H ₂ SO ₄	50	20	1.400			D	D	D	D	C	B		D	A	A	A	A	A	A	A	A	D	A	A	A		A
Sulphuric acid	H ₂ SO ₄	50	40				D	D	D	D	C	B		D	A	A	A	A	A	A	A	B	D	A	A			
Sulphuric acid	H ₂ SO ₄	50	80				D	D	D	D	C	B		D	A	A	A	A	A	A	B	C	D		A			
Sulphuric acid	H ₂ SO ₄	60	20	1.500			D	D	D	D	C	B		D	A	A	A	A	A	A	A	A	D	A				
Sulphuric acid	H ₂ SO ₄	60	80				D	D	D	D	C	B		D	A	A	B	A	A	A	B	B	D	A				
Sulphuric acid	H ₂ SO ₄	70	20	1.610			D	D	D	D	C	B		D	A	A	A	A	A	A	A	B	D	A		A		A
Sulphuric acid	H ₂ SO ₄	70	60				D	D	D	D	C	B		D	A	A	A	A	A	A	B	B	D					
Sulphuric acid	H ₂ SO ₄	70	80				D	D	D	D	C	B		D	A	A	B	A	A	A	B	C	D					
Sulphuric acid	H ₂ SO ₄	75	20	1.650		0.09	D	D	D	D	C	B		D	C	A	A	A	A	A	A	D	D	A				
Sulphuric acid	H ₂ SO ₄	80	20	1.730			D	D	D	D	C	A		D	A	A	A	A	A	A	A	B	D	A		A		A
Sulphuric acid	H ₂ SO ₄	80	60				D	D	D	D	C	A		D	A	B	B	A	A	A	B	C	D					
Sulphuric acid	H ₂ SO ₄	80	80				D	D	D	D	C	A		D	A	C	B	A	A	B	C	C	D					
Sulphuric acid	H ₂ SO ₄	90	20	1.820			D	D	D	D	C	A		D	A	A	A	A	A	A	A	C	D			A		A
Sulphuric acid	H ₂ SO ₄	90	40				D	D	D	D	C	A		D	A	A	A	A	A	A	B	C	D					
Sulphuric acid	H ₂ SO ₄	90	60				D	D	D	D	C	A		D	A	B	B	A	A	A	C	C	D					
Sulphuric acid	H ₂ SO ₄	90	80				D	D	D	D	C	A		D	A	C	B	A	A	B	D	C	D					
Sulphuric acid	H ₂ SO ₄	93	20				D	D	D	D	C	A		D	A	A	A	A	A	A	B	C	D					
Sulphuric acid	H ₂ SO ₄	93	40				D	D	D	D	C	A		D	A	A	A	A	A	A	B	D	D					
Sulphuric acid	H ₂ SO ₄	93	60				D	D	D	D	C	A		D	A	B	B	A	A	B	C	D	D					
Sulphuric acid	H ₂ SO ₄	93	80				D	D	D	D	C	A		D	A	C	B	A	A	B	D	D	D					
Sulphuric acid	H ₂ SO ₄	94	20				D	D	D	D	C	A		D	A	A	B	A	A	A	C	D	D					
Sulphuric acid	H ₂ SO ₄	94	40				D	D	D	D	C	A		D	A	B	B	A	A	B	D	D	D					
Sulphuric acid	H ₂ SO ₄	94	60				D	D	D	D	C	A		D	A	C	B	A	B	C	D	D	D					
Sulphuric acid	H ₂ SO ₄	94	80				D	D	D	D	C	A		D	A		C	B	B	C	D	D	D					
Sulphuric acid	H ₂ SO ₄	95	20				D	D	D	D	C	A		D	A	A	C	A	A	A	D	D	D					
Sulphuric acid	H ₂ SO ₄	95	40				D	D	D	D	C	A		D	A	B		A	A	C	D	D	D					
Sulphuric acid	H ₂ SO ₄	95	60				D	D	D	D	C	A		D	A	C		A	B	C	D	D	D					
Sulphuric acid	H ₂ SO ₄	95	80				D	D	D	D	C	A		D	A			B	B		D	D	D					
Sulphuric acid	H ₂ SO ₄	96	20	1.840	50	0.09	D	D	D	D	A	A		A	A	B	D	A	A	B	D	D	D					
Sulphuric acid	H ₂ SO ₄	96	40				D	D	D	D	A	A		A	A	B	D	A	A	C	D	D	D					
Sulphuric acid	H ₂ SO ₄	96	60				D	D	D	D	A	A		A	A	C	D	A	B	D	D	D	D					
Sulphuric acid	H ₂ SO ₄	96	80				D	D	D	D	A	A		A	A	D	D	B	B	D	D	D	D					
Sulphuric acid	H ₂ SO ₄	98	20	1.85	16		D	D	D	D	A	A		A	A	B	D	A	B	D	D	D	D					A
Sulphuric acid	H ₂ SO ₄	98	40				D	D	D	D	A	A		A	A	C	D	A	B	D	D	D	D					
Sulphuric acid	H ₂ SO ₄	98	60				D	D	D	D	A	A		A	A	D	D	B	B	D	D	D	D					

Liquid	Chemical Formula	Concentration %	Temp, degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductiie iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Sulphuric acid	H2so4	98	80				D	D	D	D	A	A		A	A	D	D	C	B	D	D	D	D					
Sulphuric acid	H2so4	100	20	1.840			D	D	D	D	A	A		A	A	D	D	D	B	D	D	D	D					
Sulphurous acid	H2so	100	20	1.030			D	D	D	D		B		B	A	A	A	A	A	A	A	C	D			A		A
Sulphurous acid	H2so3	100	80				D	D	D	D		B		B	A	B	A	A	A	B	A		D			A		A
Sulphuryl chloride, dry	so2cl2	100	20	1.667	1	13.3		A									D		A	A		D				A		
Sulphuryl chloride, humid	so2ci2	100	20	1.667	1	13.3		D									D		A	A		D				A		
Sweet sorghum		100	20				D		A					A	A					A		A	A					
Svrup		100	20				D	B		C				A	A	A	A		A	A	B	A	A					
Svrup, brown		100	20	1,4	9300		D	B		C				A	A	A	A		A	A	B	A	A					
Svrup, brown		100	30	1,4	2800		D	B		c				A	A	A	A		A	A	B	A	A					
Svrup, brown		100	40	1.4	1000		D	B		c				A	A	A	A		A	A	B	A	A					
Svrup, dark		100	20	1.4	7800		D	B		c				A	A	A	A		A	A	B	A	A					
Svrup, dark		100	30	1.4	2300		D	B		c				A	A	A	A		A	A	B	A	A					
Svrup, dark		100	40	1,4	900		D	B		c				A	A	A	A		A	A	B	A	A					
Svrup, white		100	20	1,4	8200		D	B		c				A	A	A	A		A	A	B	A	A					
Svrup, white		100	30	1.4	2300		D	B		c				A	A	A	A		A	A	B	A	A					
Svrup, white		100	40	1.4	900		D	B		c				A	A	A	A		A	A	B	A	A					
Tali oil (Pine oil), crude		100	20	0.970			D	A	C	B				A	A	A	A	A	A	A	D	A	D					
Tallow, pure		100	20											A	A		A	A	A	A	A	A	A	A				
Tannic acid	C206H6r, C76H52046	10	20	1.035			A	C	C	C				C	A	A	A	A	A	A		A	A		A			
Tannic acid	C206H6r, C76H52046	50	20				A	C	C	c				C	A	A	A	A	A	A		A	A			A		
Tannic acid	C206H6r, C76H52046	100	20				A	C	C	c				C	A	A	A	A	A	A	B	B	A					
Tanning extracts		100	20					A				A					A	A	A	A		A						
Tanning liguor		100	20				A					A		A	A	A	A	A			B	A	A					
Tanning oil		100	20											A	A					A		A	D					
Tar		100	20					A		B		A		A		D	B	A	A	A	D	A	C			A		
Tar oil		100	20					A									D		A	A		D				A		
Tartaric acid	C2H2(OH)2(COOH)2r, C4H6O6	10	20				A	A	C	D	B				A	A	A	A	A	A	A	A	A		C	A		
Tartaric acid, saturated	C2H2(OH)2(COOH)2r, C4H6O6	100	20	1.760			A	A	C	D	B	B		B	A	A	A	A	A	A	A	A	A		C	A		
Tartaric acid, saturated	C2H2(OH)2(COOH)2r, C4H6O6	100	60				A	A	C	D	B	B		B	A	B	B	A	A		A	A	A		C			
Tartaric acid, saturated	C2H2(OH)2(COOH)2r, C4H6O6	100	80				A		C	D	B	B		B	A	B	C	A	A		A	A	A		C			
Terpineol	C10H18O	100	20					A						A					A	A	C	B	D					
Tertiary butvl alcohol		100	20													A	A	A	A	A	B	D	B					
Tertiary butvl catechol		100	20					C						B						A	B	D	B					
Tertiary butyl mercaptan		100	20																	A		D	D					
T etrabromomethane		100	20																	A		D						
Tetrachlorethylene, dry, pure	C2Cl4r, CCl2CCl2	100	20	1.623	1	1.9		A						A			D	A	A	A	D	D	D	A		A		
Tetrachlorethylene, humid, pure	C2Cl4r, CCl2CCl2	100	20	1.623	1	1.9		D						A			D	A	A	A	D	D	D	A		A		

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Tetrachloroethane, pure	Cl2CH-CHCl2, (Cl2CH)2	100	20	1.590		0.8	C		C					A	A		D	A	A	A	D	D	D	A		A		
Tetrachloromethane	CCl4	100	20	1.590			B					A		A	A		D	A	A	A	D	D	D	C				
Tetraethyl lead (Motor fuel)	Pb(C2H5)4, Pb(CH3-CH2)4	100	20	1.660					A					A	A		A	A	A	B	D	D	C					
Tetraethyl lead, pure	Pb(H3-CH2)4, Pb(C2H5)4	100	20	1.660				B	A					A	A		A	A	A	B	D	D						
Tetrahydrofuran, pure	C4H8O, (CH2)4O	100	20	0.888	12	20	D	C				A		A	A	D	B	B	A	D	D	D	D	A	C	A		
Tetrahydrofuran, pure	C4H8O, (CH2)4O	100	40				D	C				A		A	A	D	C	C	A	D	D	D	D	A	C			
Tetrahydrofuran, pure	C4H8O, (CH2)4O	100	60				D	C				A		A	A	D	D		A	D	D	D	D	C				
Tetrahydrofuran, pure	C4H8O, (CH2)4O	100	80				D	C						A	A	D	D		B	D	D	D	D	C				
Tetraline (Tetrahydronaphthalene), pure	C10H12	100	20	0.970		0.1		A						A	A		D	A	A	A	D	C	D			A		
Tetramethyl lead	Pb(CH3)4	100	20	1.990																								
Tetramethylene dichloride	CH2ClCH2CH2CH2Cl	100	20	1.140		0.5																						
Tetrametyl ammonium hydroxide		50	20															A	A									
Tetrametyl ammonium hvdroxide		50	60															B	A									
Tetrapropylene	C12H24	100	20	0.760																								
Thioglycolic acid	HSCH2COOH	80	20	1.320			D	D	D					A	A								C					
Thioglycolic acid	HSCH2COOH	100	25	1.330			D	D	D					A	A								C					
Thionylchloride, pure	soci2	100	20	1.640		13.3	D	A	D					D		C	D	D	A	A		D	D			A		
Thorium nitrate	Tn(NO3)4	100	20																									
Tin	Sn	100	25	5.750																								
Tin dichloride (Stannous chloride)	SnCl2, SnCl2+2H2O	100	20					D		D		A		D														
Tin, plating solution		100	20								A	A		A	A	A	A	A	A	A	A	A	A					
Tin, plating solution		100	60								A	A		A	A	B	B	A	A	A	B	A	A					
Tin, plating solution		100	80								A	A		A	A			A	A	B		A	A					
Titanium sulfate	Ti(SO4)2	100	20													A	A	A	A									
Titanium tetrachloride	TiCl4	100	20	1.730		1.3		D						B				A	A	A	D	C	D					
Toluene	C6H5CH3, C7H8	100	20	0.870	1	2.9	D	A	A	A				A	A	D	B	A	A	B	D	D	D	A	C	A		
Toluene	C6H5CH3, C7H8	100	40				D	A	A	A				A	A	D	C	A	A		D	D	D	A	C			
Toluene	C6H5CH3, C7H8	100	60				D	A	A	A				A	A	D	D	B	A		D	D	D		C			
Toluene	C6H5CH3, C7H8	100	80				D	A	A	A				A	A	D	D	C	A		D	D	D		C			
Tomato iuice		100	20					A						A	A		A	A	A	A		A	A					
Tooth paste		100	20				A		D					A	A					A		A	C					
Transformer oil (Switch oil)		100	20				A	A	A					A	A		A	A	A	D	D	A	D					
Transmission fluid		100	20	0.95	11		A		A					A	A					A								
Triacetin, pure		100	20					B												B	A	B	B					
Triamylamine	(C5H11)3N	100	25	0.790		0.9																						
Tributyl phosphate	(C4H9)3PO4	100	20	0.980				A						A	A	c	B	A	A	D	B	D	D		C			
Tributyl phosphate	(C4H9)3PO4	100	60					A						A	A	c	c	C	A	D		D	D		C			



Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm3	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
Tributyl phosphate	(C4H9)3P04	100	80					A						A	A	C		D		D		D	D		c			
Tributylamine	(C4H9)3N	100	20	0.780																								
Trichloroacetic acid	CCl ₃ cooH,CCl ₃ CO ₂ H	50	20				A	D	D			A		D			A	A	A	D	C	D	D	A		A		
Trichloroacetic acid	CCl ₃ cooH,CCl ₃ CO ₂ H	100	20	1.620			A	D	D			A		D	B		A	A	A	D	D	D	B	A		A		
Trichloroacetic acid	CCl ₃ cooH,CCl ₃ CO ₂ H	100	40				A	D	D			A		D	B		A	B	A	D	D	D	B	A				
Trichloroacetic acid	CCl ₃ cooH,CCl ₃ CO ₂ H	100	60				A	D	D			A		D	B		A	C	A	D	D	D	B	A				
Trichloroacetic acid	CCl ₃ cooH,CCl ₃ CO ₂ H	100	80				A	D	D			A		D	B			D	A	D	D	D	B	A				
Trichloroethane (1.1.2 Trichloroethane)	C ₂ H ₃ Cl ₃	100	20	1.340			D	D	D					A	A		A	A	A	A	D	D	D					
Trichloroethylene	C ₂ HCl ₃ , CCl ₂ CHCl	50	20				A	D	C			A		A			A	A	A	A		D	D			A		A
Trichloroethylene	C ₂ HCl ₃ , CCl ₂ CHCl	100	20	1.464	1	7.7	A	A	C	C		A		A	A	D	B	A	A	A	D	D	D	A		A		A
Trichloroethylene	C ₂ HCl ₃ , CCl ₂ CHCl	100	40				A	A	c	C				A	A	D	C	A	A		D	D	D	A				
Trichloroethylene	C ₂ HCl ₃ , CCl ₂ CHCl	100	60				A	A	c	c				A	A	D	D	A	A		D	D	D	A				
Trichloroethylene	C ₂ HCl ₃ , CCl ₂ CHCl	100	80				A	A	c	c				A	A	D	D	B	A		D	D	D	A				
Trichloromethane (Chloroform), pure	CHCl ₃	100	20	1.480			D							A	D	B	A	A		B	D	D	D					
Trichloropane	CH ₃ CHClCHCl ₂	100	20				A		A					A	A					A		D	D					
Trichloropropane	CH ₂ ClCHClCH ₂ Cl	100	20				A		A					A	A					A		A	A					
Tricresyl phosphate (Lindol), pure	(C ₆ H ₄ CH ₃ O) ₃ P0	100	20	1.130			A	A				A		A	A		A		A	D	A	D	D			A		
Triethanolamine	(C ₂ H ₄ OH) ₃ N	100	20	1.120			A	B						A	A		D	D	A	D	A	C	A	A		A		
Triethyl phosphate		100	20					A						A					A									
Triethylamine	(C ₂ H ₅) ₃ N	100	20	0.725		7.1	A					A			A	A	A	B		A		A	B			A		
Triethylamine	(C ₂ H ₅) ₃ N	100	40				A					A			A	A	A	C		A		A						
Triethylamine	(C ₂ H ₅) ₃ N	100	60				A					A			A	A	A	D		A		A						
Trimethyl carbinol	(CH ₃) ₃ COH	100	20	0.790		4																						
Trimethyl propane		100	20															A	A									
Trimethylamine	(CH ₃) ₃ N	100	20	0.630		250																						
Trimethylene	C ₃ H ₆	100	20	0.610																								
Trinitrobenzene	C ₆ H ₃ (N0 ₂) ₃	100	20	1.690																								
Trinitrotoluene	C ₆ H ₂ (N0 ₂) ₃ CH ₃	100	20	1.654								A		A	A					B	D	D	B					
Trioctyl phosphate	(C ₈ H ₁₇) ₃ P04	100	20														A		A	D	A	D	D					
Triphenyl phosphite		100	20																									
Trisodium phosphate		100	20					C						A					A									
Triton oil		100	20				A		A					A	A					A		A	A					
Tunq oil (China-wood oil)		100	20					A						B					A	A	D	A	B					
Türbine oil (#140)		100	20				A	A	A					A	A	A	B	A	A	A	D	A	A					
Turpentine	(C ₁₀)H ₁₆	100	20	0.860	2	0.67	D	A	A	B				A	A	A	B	A	A	A	B	B	D					
Turpentine	(C ₁₀)H ₁₆	100	40				D	A	A	B				A	A	A	c	A	A				D					
Turpentine	(C ₁₀)H ₁₆	100	60				D	A	A	B				A	A	A	D	A	A				D					
Turpentine oil	(C ₁₀)H ₁₆	100	20	0.860		0.67		A									D	D	A	A		A				A		



Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kairez	Hytrel	Carbon	Silicon	Ceramic
Uranium hexafluoride	UFe	100	25	5.100																								
Uranium nitrate	UO ₂ (NO ₃) ₂ ·6H ₂ O	100	15	2.807																								
Urea (Carbamide)	CO(NH ₂) ₂ , NH ₂ CONH ₂	30	20																									
Urea (Carbamide)	CO(NH ₂) ₂ , NH ₂ CONH ₂	100	20	1.320			C	A	A	C		A		A	A	A	A	A	A	A	A	A	D			A		
Urea formalin		100	20												A					A		A	C					
Uric acid	C ₅ H ₄ N ₄ O ₃	33	20					D				A					A	A	A							A		
Urine		100	20				C	D						A	A	A	A	A	A	A	A	A	D					
Valclene 200 (Dupont)		100	20				A								A					D		A	D					
Vanilla extract		100	20											A	A					C		A	A					
Varnish		100	20				A	A	C	C				A	A			A	A	A	D	A	D					
Vaseline (Petrolatum), pure		100	20											A	A	A	A	A	A	A	D	A	A			A		
Vaseline oil		100	20															A		A		A	B					
Vegetable juice		100	20				C		D					A	A					A		A	D					
Vegetable oil		100	20				A	A	C					A	A	A	A	A	A	A	A	A	B					
Vinegar		100	20				C	A	C					A	A	A	A	A	A	A	A	C	C					
Vinyl acetate	C ₄ H ₆ O ₂ , CH ₃ COOCH=CH ₂	100	20	0.932	11	12								A		D	A	A	A	D	B	D	A	A				
Vinyl acetate	C ₄ H ₆ O ₂ , CH ₃ COOCH=CH ₂	100	40													D	A	A	A	D	D	D		A				
Vinyl acetylene	CHCCHCH ₂	100	20												A					A		A	P					
Vinyl bromide	CH ₂ =CHBr	100	20	1.516																								
Vinyl chloride	CH ₂ =CHCl	100	20	0.983	1	340											A	A	A	A	C	D	D	A				
Vinyl ethyl ether	CH ₂ =CHOCH ₂ CH ₃	100	20	0.770		53.2																						
Vinyl fluoride	CH ₂ =CHF	100	20																									
Vinyl methyl ether	CH ₂ =CHOCH ₃	100	20	0.750		148																						
Vinyl styrene	C ₆ H ₄ (CH:CH ₂) ₂	100	20	0.930																								
Vinylidene fluoride	CH ₂ CF ₂	100	20																									
Viscose spinning solution		100	20														A	A				D						
Water	H ₂ O	100	20	0.997		2.3		B		c			A		A	A	A	A	A	A	A	A	A					
Water	H ₂ O	100	60					B		c			A		A	A	A	A	A	A	A	B	A					
Water	H ₂ O	100	80					B		c			A		A	A	A	A	A	A	A	C	A					
Water (Sewage water)	H ₂ O	100	20					B	D	D			A		A	A	A	A	A	A	A	A	A					
Water, acid, mine	H ₂ O	100	20				C	D	C				A	A	A	A		A	A		A	C						
Water, chlorinated	H ₂ O	100	20				A	C	A				A	A		A	A	A	A	A		A	A			A		
Water, distilled	H ₂ O	100	20	1.000			D	A	D	D			A	A	A	A	A	A	A	A	A	A	A			A		
Water, distilled, de-ionized	H ₂ O	100	20				D	D		D			A			A	A	A								A		
Water, fresh	H ₂ O	100	20				A		A				A	A	A	A	A	A	A	A	A	A	A					
Water, salt	H ₂ O	100	20				A	B	D				A	A	A	A	A	A	A	A	A	A	A		A			
VWater, salt	H ₂ O	100	40				A	B	D				A	A	A	A	A	A	A	A	A	B	A		A			
Water, sea water	H ₂ O	100	20	1.020		2.3	A	D	D	D		D	A	A	A	A	A	A	A	A	A	A	A			A		

Liquid	Chemical Formula	Concentration %	Temp. degree C	Specific gravity kg/dm ³	Viscosity cSt	Vapour pressure kPa	Bronze	Aluminium	Cast iron	Ductile iron	Hastelloy B	Hastelloy C	Stainless Steel SIS 2333	Stainless Steel SIS 2343	EP - Epoxy	CPVC	PP	PVDF	PTFE	FPM - Viton	EPDM - EPT	NBR - Nitrile	CR - Neoprene	Kaizez	Hytrel	Carbon	Silicon	Ceramic
VWater, sea water	H ₂ O	100	40				A	D	D	P		D		A	A	A	A	A	A	A	A	B						
Wax alcohol		100	20											A	A		D	A	A	A		A						
VVeed killers		100	20				C							A	A					A		B	C					
Wetting aqents		5	20																									
VVhale oil, blubber		100	20	0.920	25-40		A		A					A	A					A		A	D					
VVhev		100	20											A	A					A		A						
VVhiskv		100	20				C	D	D					A	A	A	A	A	A	A	A	A	A					
VVhisky		100	60				C	D	D					A	A	A	B	A	A	A	A	A	A					
VWhite liquor (Pulp Mili)		100	20				D	B	C	C				A	A	A	A	A	A	A	A	A	A					
VWhite liquor (Pulp Mili)		100	60				D	B	C	C				A	A	B	B	A	A		A		A					
VWhite water (Pulp water)		100	20				A		A					A	A		A			A			A					
VWhite water (Pulp water)		100	20				A		A					A	A		A			A			A					
VVine vinegar		100	20	0.990				C		D				A			A	A				A						
VVines		100	20				C	D	D	D				A	A	A	A	A	A	A	A	A	A			A		
Wood oil	(C ₁₀)H ₁₆	100	20	0.860				A						A				A		A		A	B					
VWood sugar solutions	C ₅ H ₁₀ (O ₅)	100	20															A										
VWood tars		100	20					A				A		A				A								A		
VWood vinegar		100	20															A										
Xylene (Dimethyl benzene)	C ₆ H ₄ (CH ₃) ₂	100	20	0.870	1	0.8	A	A	A	B	B	A		A	A	D	D	A	A	B	D	C	D		C	A		
Xylidine	(CH ₃) ₂ C ₆ H ₃ NH ₂ , C ₈ H ₁₁ N	100	20	0.990														A	D	D	C	D						
Yeast		100	20					A				A		A			A	A	A	A		A				A		
Zinc acetate	Zn(C ₂ H ₃ O ₂) ₂ +3H ₂ O	100	20											A		A	A	A	A	A	A	A	B					
Zinc acetate	Zn(C ₂ H ₃ O ₂) ₂ +3H ₂ O	100	80											A		A	A	A	A	A	A	B	B					
Zinc chloride	ZnCl ₂	5	20	1.030		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A			
Zinc chloride	ZnCl ₂	20	20	1.190		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A	A		A
Zinc chloride	ZnCl ₂	30	20	1.220		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A			
Zinc chloride	ZnCl ₂	40	20	1.420		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A			
Zinc chloride	ZnCl ₂	60	20	1.750		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A			
Zinc chloride	ZnCl ₂	75	20	2.070			D	D	D						A	A	A	A	A	A	A	A	A		A	A		A
Zinc chloride	ZnCl ₂	100	20				D	D	D		B	C			A	A	A	A	A	A	A	A	A		A			
Zinc chloride, powder	ZnCl ₂	100	20	2.910		0	D	D	D		B	C			A	A	A	A	A	A	A	A	A		A			
Zinc cyanide	Zn(CN) ₂	100	20	1.850																								
Zinc ethyl	Zn(C ₂ H ₅) ₂	100	20	1.200		2																						



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