Johnson Pump Liquid Guide

JOHNSON PUMP

Liquid Guide

In this liquid guide we have collected the total knowledge that is established within Johnson Pump, as well as the knowledge brought to us from our suppliers, manufacturers of different materials and liquids and other reliable sources.

The liquid guide gives you information about the chemical resistance of different materials towards mentioned liquid as well as information about composition, density, viscosity and vapour pressure of the liquid.

New experiences are constantly added and it is therefore impossible to issue a completely correct liguid guide. Certain inconsistency can occur depending on the information source and in which way the liquid has been tested.

The liquid guide will therefore be used as a **guide** and **recommendation** – not as a guarantee.

If hesitation, or when information is missing for the different temperatures, concentrations etc. we recommend you to contact Johnson Pump.

Key to the codes
A = Excellent – Recommended
B = Good – Can be used
C = Doubtful, can be used in some cases – Should be avoided
D = Cannot be used

NB.
SIS 2333 = AISI 304
SIS 2343 = AISI 316

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Abietic acid	Abietinsyra (Sapinsyra)	$C_{20}H_{30}O_2$	100	20	0.974				A				A		A				A	A						A		
Accumulator acid (Battery acid)	Ackumulatorsyra (Batterisyra)	H_2SO_4	40	20														A	A	A	A	A	C	C	A				
Acetaldehyde (Ethanal)	Acetaldehyd (Etanal)	CH_3CHO, C_2H_4O	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			
Acetaldehyde (Ethanal)	Acetaldehyd (Etanal)	CH_3CHO, C_2H_4O	100	60				A	A	C	C		A	A	A	A	D	B	D	A	D	B	D	D	C	C			
Acetaldehyde, aqueous	Acetaldehyd, utspädd, vattenhaltig	CH_3CHO+H_2O	40	20				A	A	C			A		A	A	D	A	D	A	B	A	D	D	A				
Acetaldehyde, aqueous	Acetaldehyd, utspädd, vattenhaltig	CH_3CHO+H_2O	40	60				A	A	C			A		A	A	D	A	D	A	C	A	D	D	D				
Acetaldehyde, aqueous	Acetaldehyd, utspädd, vattenhaltig	CH_3CHO+H_2O	40	80				A	A	C			A		A	A	D	B	D	A	D	B	D	D	D				
Acetamide	Acetamid	CH_3CONH_2	100	20	0.980			D	A	D					A	A	C	A	A	A	A	A	A	B	A				
Acetate solvent, crude	Acetatlösning, rå		100	20				D		D					A	A		D			D		D	D					
Acetate solvent, pure	Acetatlösning, ren		100	20				A		A					A	A		D			D		D	C					
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	10	20				C	A	D	D	A	A		A	A	A	A	A	A	C	B	D	D	A	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	10	40				C	A	D	D	A	A		A	A	A	A	A	A	C	D	D	D	A	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	10	80				C	A	D	D	A	A		A	A	A	B	B	A	D	D	D	D	A	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	20	20				C	A	D	D	A	A		A	A	A	A	A	A	C	C	D	D	A	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	20	40		2		C	A	D	D	A	A		A	A	A	A	A	A	C	D	D	D	A	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	20	60				C	A	D	D	A	A		A	A	A	B	A	A	C	D	D	D	A	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	20	80				C	A	D	D	A	A		A	A	B	C	B	A	C	D	D	D	A	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	30	20				C	A	D	D	A	A		A	A	A	A	A	A	C		D	D	A	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	50	20	1.060			C	A	D	D	A	A		A	A	A	A	A	A	C	D	D	D	D	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	50	40				C	A	D	D	A	A		A	A	B	B	A	A	C	D	D	D	D	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	50	60				C	A	D	D	A	A		A	A	C	C	A	A	C	D	D	D	D	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	50	80				C	A	D	D	A	A		A	A	D		B	A	C	D	D	D	D	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	80	20				C	A	D	D	A	A		A	A	B	B	A	A	C	D	D	D	D	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	80	40				C	A	D	D	A	A		A	A	C	C	B	A		D	D	D	D	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	80	60				C	A	D	D	A	A		A	A	D	D	C	A		D	D	D	D	A			
Acetic acid	Ättiksyra (Etansyra)	CH_3COOH, CH_3CO_2H	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)	Ättiksyrametylester (Metylacetat)	$CH_3CO_2CH_3$	100	20	0.930													A								A		
Acetic acid, glacial	Ättiksyra, kristalliserad (Isättika)	CH_3COOH, CH_3CO_2H	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	Ättiksyra, kristalliserad (Isättika)	CH_3COOH, CH_3CO_2H	100	40				C	B	D	D	A	A		A	B	D	B	B	A		D	D	D	D				
Acetic acid, glacial	Ättiksyra, kristalliserad (Isättika)	CH_3COOH, CH_3CO_2H	100	60				C	B	D	D	A	A		A	B	D	C	B	A		D	D	D	D				
Acetic acid, glacial	Ättiksyra, kristalliserad (Isättika)	CH_3COOH, CH_3CO_2H	100	80				C	B	D	D	A	A		A	B	D	D	B	A		D	D	D	D				
Acetic anhydride, pure	Ättiksyraanhydrid (Acetyloxid), ren	$(CH_3CO)_2O$	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	Ättiksyraanhydrid (Acetyloxid), ren	$(CH_3CO)_2O$	100	40				C	B	C		B	A		A	A	D	C	C	A	D	D	D	D	A				
Acetic anhydride, pure	Ättiksyraanhydrid (Acetyloxid), ren	$(CH_3CO)_2O$	100	60				C	B	C		B	A		A	A	D	D	D	A	D	D	D	D					
Acetic ether (Ethyl acetate)	Ättikester (Etylacetat)	$CH_3COOC_2H_5$, $CH_3COOCH_2CH_3$	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
Acetoacetic ester (Ethyl acetoacetate)	Acetättikester (Etylacetoacetat)	$CH_3COCH_2COOC_2H_5$	100	20	1.030								A		A			D									A		A
Acetone (Dimethyl ketone)	Aceton (Dimetylketon)	CH_3COCH_3, C_3H_6O	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

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Acetone (Dimethyl ketone)	Aceton (Dimetylketon)	CH_3COCH_3, C_3H_6O	100	60				A	B	A	A	A	A		A	B	D	C	D	A	D		D	D	A				
Acetone cyanhydrine	Acetoncyanhydrin	$(CH_3)_2C(OH)CN$	100	20	0.930																								
Acetone, aqueous	Aceton, utspädd, vattenhaltig	$CH_3COCH_3+H_2O$	10	20							A														A				
Acetone, aqueous	Aceton, utspädd, vattenhaltig	$CH_3COCH_3+H_2O$	100	20				A	B	A	A		A		A	B	A	A	D	A	A	A	B	D	A				
Acetone, aqueous	Aceton, utspädd, vattenhaltig	$CH_3COCH_3+H_2O$	100	40				A	B	A	A		A		A	B	A	A	D	A	A	A	C	D	A				
Acetone, aqueous	Aceton, utspädd, vattenhaltig	$CH_3COCH_3+H_2O$	100	60				A	B	A	A		A		A	B	B	A	D	A	A	A		D	A				
Acetone, aqueous	Aceton, utspädd, vattenhaltig	$CH_3COCH_3+H_2O$	100	80				A	B	A	A		A		A	B		A	D	A	A	B		D	A				
Acetonitrile (Methyl cyanide)	Acetonitril (Metylcyanid)	CH_3CN	100	20	0.787		9.7		A						A			B	A	A	C	A	C	C	A		A		
Acetonitrile (Methyl cyanide)	Acetonitril (Metylcyanid)	CH_3CN	100	60					A						A				C	A									
Acetonitrile (Methyl cyanide)	Acetonitril (Metylcyanid)	CH_3CN	100	80					A						A				D										
Acetophenone	Acetofenon	$C_6H_5COCH_3$, C_8H_8O	100	20	1.030				A				A		A			A	A	A	C	A	D	D			A		A
Acetophenone	Acetofenon	$C_6H_5COCH_3$, C_8H_8O	100	40														B	C	A	D	A	D	D					
Acetophenone	Acetofenon	$C_6H_5COCH_3$, C_8H_8O	100	60														C	D	A	D	A	D	D					
Acetophenone	Acetofenon	$C_6H_5COCH_3$, C_8H_8O	100	80														D	D	A	D	B	D	D					
Acetyl acetone	Acetylaceton	$C_5H_8O_2$	100	20													D		D										
Acetyl bromide	Acetylbromid	CH_3COBr, C_2H_3OBr	100	20	1.520		13.3												A	A									
Acetyl bromide	Acetylbromid	CH_3COBr, C_2H_3OBr	100	80															B	A									
Acetyl chloride (Acetic chloride)	Acetylklorid (Ättiksyraklorid)	CH_3COCl	100	20	1.105		27.9		D		D		A		B			A	A	A	D	D	D	D		D	A		A
Acetyl chloride (Acetic chloride)	Acetylklorid (Ättiksyraklorid)	CH_3COCl	100	40					D		D		A		B			A	B	A	D	D	D	D		D			
Acetyl chloride (Acetic chloride)	Acetylklorid (Ättiksyraklorid)	CH_3COCl	100	60					D		D		A		B			B	C	A	D	D	D	D		D			
Acetyl chloride (Acetic chloride)	Acetylklorid (Ättiksyraklorid)	CH_3COCl	100	80					D		D		A		B			C	D	A	D	D	D	D		D			
Acetyl hydroperoxide	Acetylhydroperoxid	CH_3COOOH, CH_3CO_2OH	100	20	1.150																								
Acetyl ketene	Acetylketen	$CH_2{:}CCH_2C(O)O$	100	20	1.080																								
Acetyl peroxide	Acetylperoxid	$(CH_3CO)_2O_2$	100	20	1.180																								
Acetylene (Ethyne)	Acetylen (Etyn)	C_2H_2	100	20			4200	D	A	A	A				A	A	D	A	A	A	A	C	A	D	A	A			
Acetylene (Ethyne)	Acetylen (Etyn)	C_2H_2	100	60				D	A	A	A				A	A	D		A	A	A	D	B	D	A	A			
Acetylene dichloride	Acetylendiklorid	CHCl=CHCl	100	20	1.270		22																						
Acetylene tetrabromide	Acetylentetrabromid	$CHBr_2CHBr_2$, $(CHBr_2)_2$	100	20	2.970		0	D		D					A	D					A								
Acetylsalicylic acid	Acetylsalicylsyra (Aspirin)	$CH_3CO_2C_6H_4CO_2H$	100	20	1.200			D	A	D			A		A	A		A	A	A	D		D	D			A		A
Acrylic acid (Propene acid)	Akrylsyra (Propensyra)	CH_2=CHCOOH, $CH_2CHCOOH$	100	20	1.050		0.37																						
Acrylic acid ethyl ester	Akrylsyra etylester	CH_2=$CHCOOC_2H_5$	100	20	0.920		3.9												A	A									
Acrylic acid ethyl ester	Akrylsyra etylester	CH_2=$CHCOOC_2H_5$	100	40															B	A									
Acrylic acid ethyl ester	Akrylsyra etylester	CH_2=$CHCOOC_2H_5$	100	60															C	A									
Acrylic acid ethyl ester	Akrylsyra etylester	CH_2=$CHCOOC_2H_5$	100	80															D	B									
Acrylic aldehyde	Akrylaldehyd (Akrolein)	CH_2=CHCHO	100	20	0.840		29																						
Acrylic amide	Akrylamid (Propenamid)	CH_2=$CHCONH_2$	100	20	1.120																								
Acrylonitrile	Akrylonitril (Akrylnitril)	CH_2CHCN, CH_2=CHCN	100	20	0.806		11	C	A	C			B		A	A		B	A	A	D	A	D	D	A		A		A

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Acrylonitrile	Akrylonitril (Akrylnitril)	CH_2CHCN, $CH_2=CHCN$	100	40				C	A	C			B		A	A		C	B	A	D	A	D	D	A				
Acrylonitrile	Akrylonitril (Akrylnitril)	CH_2CHCN, $CH_2=CHCN$	100	60				C	A	C			B		A	A			C	A	D	B	D	D					
Adipic acid	Adipinsyra	$(CH_2)_4(COOH)_2$, $(C_2H_4COOH)_2$	100	20	1.360				B				A		B		A	A	A	A	A	A	A			A		
Adipic acid, aqueous, saturated	Adipinsyra, utspädd, mättad	$(CH_2)_4(COOH)_2$, $(C_2H_4COOH)_2$	100	20	1.360				B				A		B		A	A	A	A	A	A	A			A		
Adipic acid, aqueous, saturated	Adipinsyra, utspädd, mättad	$(CH_2)_4(COOH)_2$, $(C_2H_4COOH)_2$	100	80					B				A		B		B	B	A	A	A	B						
Adiponitrile	Adiponitril	$CN(CH_2)_4CN$	100	20	0.960																								
Adrament solution	Adramentlösning		100	20														A											
Alkane	Alkan	$C_{12}H_{25}$ -C_6H_5	100	20	0.870																								
Alkane sulfonic acid	Alkansulfonsyra	CnH_2nSO_3H	100	20					D				A		A			A		A							A		
Alkazene	Alkazidlut		100	20																	B			D					
Alkyl aryl sulphonate	Alkylarylsulfonat	$CnH_2n+_1C_6H_4SO_3Na$	100	20					A				A		A												A		A
Allyl alcohol (Propenyl alcohol)	Allylalkohol (Propenylalkohol)	CH_2CHCH_2OH, $H_2C=CHCH_2OH$	96	20									A		A			A	A	A	C	C	A	C	A				
Allyl alcohol (Propenyl alcohol)	Allylalkohol (Propenylalkohol)	CH_2CHCH_2OH, $H_2C=CHCH_2OH$	100	20	0.852	1.6	2.4						A		A		D	A	A	A	A		A				A		A
Allyl alcohol (Propenyl alcohol)	Allylalkohol (Propenylalkohol)	CH_2CHCH_2OH, $H_2C=CHCH_2OH$	100	60									A		A		D	A	A	A	A		B						
Allyl alcohol (Propenyl alcohol)	Allylalkohol (Propenylalkohol)	CH_2CHCH_2OH, $H_2C=CHCH_2OH$	100	80									A		A		D		A	A	B								
Allyl amine	Allylamin	$CH_2=CHCH_2NH_2$	100	20	0.760																								
Allyl chloride	Allylklorid	$CH_2=CHCH_2Cl$	100	20	0.940	1	40		A				A					D	A	A	B	D	B				A		A
Allyl chloride	Allylklorid	$CH_2=CHCH_2Cl$	100	40					A				A					D	C	A	B	D	C						
Allyl chloride	Allylklorid	$CH_2=CHCH_2Cl$	100	60					A				A					D	D	A	C	D	D						
Allyl chloroformate	Allylklorformiat	CH_2:$CHCH_2OOCCl$	100	20	1.140																								
Alum (Potassium aluminium sulphate)	Alun (Kaliumaluminiumsulfat)	$KAl(SO_4)_2$	100	20							D						A	A	A	A	A	A	A						
Alum (Potassium aluminium sulphate)	Alun (Kaliumaluminiumsulfat)	$KAl(SO_4)_2$	100	80							D						A	A	A	A	A	B	B						
Aluminium acetate, saturated	Aluminiumacetat, mättad	$Al(CH_3COO)_3$	100	20					A		D				B		A	A	A	A	A	A	A	B			A		A
Aluminium acetate, saturated	Aluminiumacetat, mättad	$Al(CH_3COO)_3$	100	40					A		D				B		B	A	A	A	A	A	A	B					
Aluminium bromide, saturated	Aluminiumbromid, mättad	$(AlBr_3)$, $AlBr_3$	100	20	3.210		0.1												A	A	A	A	A						
Aluminium chlorate	Aluminiumklorat	$Al(ClO_3)_3+6H_2O$	100	20									A		A			A	A	A							A		A
Aluminium chloride, powder	Aluminiumklorid, pulver	$AlCl_3$	100	20				D	D	D	D		A		D	A	A	A	A	A	A	A	A	A		C			
Aluminium chloride, saturated	Aluminiumklorid, mättad	$AlCl_3$	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	Aluminiumklorid, mättad	$AlCl_3$	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	Aluminiumklorid, mättad	$AlCl_3$	20	20				D	D	D	D	A	A		C	A	A	A	A	A	A	A	A	A		C			
Aluminium chloride, saturated	Aluminiumklorid, mättad	$AlCl_3$	100	20	2.440			D	D	D	D		A		D	A	A	A	A	A	A	A	A	A		C	A		A
Aluminium chloride, saturated	Aluminiumklorid, mättad	$AlCl_3$	100	60				D	D	D	D		A		D	A	B	A	B	A	A	A		A		C			
Aluminium chloride, saturated	Aluminiumklorid, mättad	$AlCl_3$	100	80				D	D	D	D		A		D	A	B	A	C	A	A	A		A		C			
Aluminium etch	Aluminiumets		100	20				D		D					D	D					A		A	A					
Aluminium ethylate	Aluminiumetylat	$Al(C_2H_5O)_3$	100	20																									
Aluminium fluoride, saturated	Aluminiumfluorid, mättad	AlF_3, Al_2F_3	100	20					A		D		B		C	A	A	A	A	A	A	A	A	A			A		
Aluminium hydroxide, saturated	Aluminiumhydroxid, mättad	$Al(OH)_3$	100	20				A	B	A	D		A		A	A	A	A	A	A	A	A	A	A			A		A

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Aluminium hydroxide, saturated	Aluminiumhydroxid, mättad	$Al(OH)_3$	100	80				A	B	A	D		A		A	A	A	A	A	A	A	B	B	A					
Aluminium nitrate, saturated	Aluminiumnitrat, mättad	$Al(NO_3)_3+9H_2O$	10	20	1.050		2.2		D		D		A		A		A	A	A	A	A	A	A	A		C			
Aluminium nitrate, saturated	Aluminiumnitrat, mättad	$Al(NO_3)_3+9H_2O$	100	20					D		D		A		A		A	A	A	A	A	A	A	A		C	A		A
Aluminium nitrate, saturated	Aluminiumnitrat, mättad	$Al(NO_3)_3+9H_2O$	100	80					D		D		A		A		A	A	A	A	A	A	B	A		C			
Aluminium oxide	Aluminiumoxid	AlO_3	100	20				D		D					A	A					A		A	A					
Aluminium phosphate	Aluminiumfosfat	$AlPO_4$	100	20											A				A		A	A	A	A					
Aluminium pulverized	Aluminiumpulver	Al	100	20	2.710		0																						
Aluminium silicofluoride	Aluminiumfluorsilikat	$Al_2(SiF_6)_3$	100	20									A		A			A	A										A
Aluminium sulphate, saturated	Aluminiumsulfat, mättad	$Al_2(SO_4)_3$	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	Aluminiumsulfat, mättad	$Al_2(SO_4)_3$	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	Bärnstenssyra, mättad	$C_4H_6O_4$, $C_2H_4(COOH)_2$	100	20													A	A	A	A	A	A	A					
Amines	Aminer	$R\text{-}NH_2$	100	20				D		D					A	A					D	B	D	D		A			
Aminopyridine	Aminopyridin	$C_5H_4N\text{-}NH_2$	100	20					A				A		A														A
Aminosalicylic acid	Aminosalicylsyra	$H_2NC_6H_3(OH)CO_2H$	100	20					A				A		A			A		A							A		A
Ammonia alum	Ammoniakalun	$(NH_4)Al(SO_4)_2+12H_2O$	10	25	1.050													A	A	A	A	A	A						
Ammonia alum	Ammoniakalun	$(NH_4)Al(SO_4)_2+12H_2O$	100	20														A	A	A	A	A	A						
Ammonia alum	Ammoniakalun	$(NH_4)Al(SO_4)_2+12H_2O$	100	80														A	A	A	A	A	B						
Ammonia gas	Ammoniak gas	NH_3	100	20	0.770	0.3	883				B						A	A	A	A	D	A	A	B	A	D			
Ammonia gas	Ammoniak gas	NH_3	100	60							B						B	B	A	A	D	A	B	B		D			
Ammonia gas	Ammoniak gas	NH_3	100	80							B							B	A	A	D	B		B		D			
Ammonia liquor	Ammoniakvatten	NH_3+H_2O, NH_4OH	100	20	0.800		15.3											A	A	A	C	A	A						
Ammonia liquor	Ammoniakvatten	NH_3+H_2O, NH_4OH	100	40														B	A	A		B	B						
Ammonia nitrate	Ammoniaknitrat	NH_4NO_3	100	20	1.720			D		A					A	A							A	C					
Ammonia water	Ammoniaklösning (Salmiaksprit)	NH_3+H_2O, NH_4OH	10	20	0.900	1	48	D	A	A					A	A	A	A	A	A	B	A	A	A	A		A		
Ammonia water	Ammoniaklösning (Salmiaksprit)	NH_3+H_2O, NH_4OH	10	25	0.960		9.3	D	A	A					A	A	A	A	A	A	B	A	A	A	A		A		
Ammonia water	Ammoniaklösning (Salmiaksprit)	NH_3+H_2O, NH_4OH	10	40				D	A	A					A	A	A	A	A	A	C	A	B	A	A		A		
Ammonia water	Ammoniaklösning (Salmiaksprit)	NH_3+H_2O, NH_4OH	10	60				D	A	A					A	A	A	A	A	A	D	A	B	A			A		
Ammonia water	Ammoniaklösning (Salmiaksprit)	NH_3+H_2O, NH_4OH	10	80				D	A	A					A	A	B	B	A	A	D	A		A			A		
Ammonia water	Ammoniaklösning (Salmiaksprit)	NH_3+H_2O, NH_4OH	25	20	0.910		34.5	D	A	A					A	A	A	A	A	A	D		A	A	A		A		
Ammonia water	Ammoniaklösning (Salmiaksprit)	NH_3+H_2O, NH_4OH	28	20				D	A	A					A	A	A	A	A	A	D		A	A		A	A		
Ammonia water	Ammoniaklösning (Salmiaksprit)	NH_3+H_2O, NH_4OH	35	20	0.900	1	48	D	A	A					A	A	A	A	A	A	D		A	A			A		
Ammonia, anhydrous	Ammoniak, flytande gas, vattenfri	NH_3	100	20				D	A	A	B	B	A		A	A		A	A	A	C	A	A	A					
Ammonia, anhydrous	Ammoniak, flytande gas, vattenfri	NH_3	100	40				D	A	A	B	B	A		A	A		B	A	A		B	B	A					
Ammonium acetate, saturated	Ammoniumacetat, mättad	NH_4OOCCH_3, $H_3CCOONH_4$	100	20					A				A		A		A	A	A	A	A	A	A			A		A
Ammonium acetate, saturated	Ammoniumacetat, mättad	NH_4OOCCH_3, $H_3CCOONH_4$	100	80					A				A		A		B	B	A	A	B	B	B					
Ammonium bicarbonate	Ammoniumbikarbonat	NH_4HCO_3	100	20				D	A	C	B				A	A		A	A	A	A		A				A		A
Ammonium bifluoride, saturated	Ammoniumbifluorid, mättad	NH_4HF_2, $(NH_4)FHF$	20	20				D		D			A		A	A	A	A	A	A	A	A	A	A			A		

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Ammonium bifluoride, saturated	Ammoniumbifluorid, mättad	NH_4HF_2, $(NH_4)FHF$	100	20	1.500			D		D			B		A	A	A	A	A	A	A	A	A	A					
Ammonium bifluoride, saturated	Ammoniumbifluorid, mättad	NH_4HF_2, $(NH_4)FHF$	100	80				D		D			B		A	A	A	A	A	A	B	B	B	A					
Ammonium bisulfite	Ammoniumbisulfit	NH_4HSO_3	100	20									A		A			A		A							A		A
Ammonium bromide	Ammoniumbromid	NH_4Br	5	25	1.030				D		D		A		C			A	A								A		
Ammonium bromide	Ammoniumbromid	NH_4Br	40	20	1.270				D				A					A	A								A		
Ammonium carbonate, saturated	Ammoniumkarbonat, mättad	$(NH_4)_2CO_3+H_2O$	10	20	1.030		2.2	D	A	A	B		A		A	A	A	A	A	A	A	A	A	A					
Ammonium carbonate, saturated	Ammoniumkarbonat, mättad	$(NH_4)_2CO_3+H_2O$	25	20	1.100			D	A	A	B		A		A	A	A	A	A	A	A	A	A	A			A		A
Ammonium carbonate, saturated	Ammoniumkarbonat, mättad	$(NH_4)_2CO_3+H_2O$	50	20				D	B	A	B				A														
Ammonium carbonate, saturated	Ammoniumkarbonat, mättad	$(NH_4)_2CO_3+H_2O$	100	20				D	B	A	B	B	B		B	A	A	A	A	A	A	A	A	A					
Ammonium casenite	Ammoniumkaseinit		100	20											A	A								A					
Ammonium chloride, saturated	Ammoniumklorid (Salmiak), mättad	NH_4Cl	10	20																									
Ammonium chloride, saturated	Ammoniumklorid (Salmiak), mättad	NH_4Cl	25	20	1.070		1.8					B	A		B	A	A	A	A	A	A	A	A	A					
Ammonium chloride, saturated	Ammoniumklorid (Salmiak), mättad	NH_4Cl	100	20	1.070			D	D	D	D	B	A		B	A	A	A	A	A	A	A	A	A			A		
Ammonium chloride, saturated	Ammoniumklorid (Salmiak), mättad	NH_4Cl	100	80				D	D	D	D	B	A		B	A	B	B	A	A	A	A	B	A					
Ammonium fluoride (Fluorammon)	Ammoniumfluorid	NH_4F	6	20	1.030		2.3																						
Ammonium fluoride (Fluorammon)	Ammoniumfluorid	NH_4F	14	20	1.060				A				A		D			A	A	A	A		A				A		
Ammonium fluoride (Fluorammon)	Ammoniumfluorid	NH_4F	20	20	1.060										A			A	A	A	A	A	A				A		
Ammonium fluoride (Fluorammon)	Ammoniumfluorid	NH_4F	20	80											A			B	A	A									
Ammonium fluoride, powder	Ammoniumfluorid, pulver	NH_4F	100	20	1.315																								
Ammonium fluoride, solution	Ammoniumfluorid, lösning	NH_4F	100	20	1.015																								
Ammonium fluorsilicate	Ammoniumfluorsilikat	$(NH_4)_2SiF_6$	100	20					A				A		A			A	A										A
Ammonium formate	Ammoniumformiat	HCO_2NH_4	100	20					A				A		A			A	A	A							A		A
Ammonium hydrogen fluoride	Ammoniumvätefluorid	NH_4HF_2, $(NH_4)FHF$	50	20														A	A								A		A
Ammonium hydrogen phosphat	Ammoniumvätefosfat	$(NH_4)_2HPO_4$	100	20															A								A		
Ammonium hydrogen sulphide	Ammoniumvätesulfid	$(NH_4)HS$	100	20														A	A										
Ammonium hydroxide	Ammoniumhydroxid (Salmiaksprit)	NH_3+H_2O, NH_4OH	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	Ammoniumhydroxid (Salmiaksprit)	NH_3+H_2O, NH_4OH	100	40				A	B	A		A	A		A	A	A	A	A	A	B	A	D	A	A				
Ammonium hydroxide	Ammoniumhydroxid (Salmiaksprit)	NH_3+H_2O, NH_4OH	100	60	1	1		A	B	A		A	A		A	A	A	A	A	A	C	A	D	A	A				
Ammonium iodide	Ammoniumjodid	NH_4I	45	20	1.380													A	A								A		
Ammonium metaphosphate	Ammoniummetafosfat		100	20													A	A	A	A	A	A	A						
Ammonium metaphosphate	Ammoniummetafosfat		100	40													A	A	A	A	A	A	B						
Ammonium nitrate	Ammoniumnitrat	NH_4NO_3	10	20	1.040		2.2	D	A	A			A		A	A	A	A	A	A	A	A	A	A					
Ammonium nitrate	Ammoniumnitrat	NH_4NO_3	50	20	1.230			D	A	A			A		A	A	A	A	A	A	A	A	A	A			A		A
Ammonium nitrate	Ammoniumnitrat	NH_4NO_3	60	20	1.230		0.5	D	A	A			A		A	A	A	A	A	A	A	A	A	A					
Ammonium nitrate	Ammoniumnitrat	NH_4NO_3	100	20	1.720			D	B	A		D	A		A	A	B	A	A	A	A	A	A	A					
Ammonium nitrite, saturated	Ammoniumnitrit, mättad	NH_4NO_2	100	20														A	A				A	A					
Ammonium oxalate	Ammoniumoxalat	$(NH_4)_2C_2O_4$, $(COONH_4)_2+H_2O$	30	25	1.040			D	A	D			A		A	A		A					A	A					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Ammonium oxalate	Ammoniumoxalat	$(NH_4)_2C_2O_4$, $(COONH_4)_2$+H_2O	100	20				D	A	D			A		A	A		A					A	A			A		
Ammonium perchlorate	Ammoniumperklorat	NH_4ClO_4	10	25	1.040																								
Ammonium perchlorate	Ammoniumperklorat	NH_4ClO_4	14	20	1.070				A				A														A		
Ammonium perchlorate	Ammoniumperklorat	NH_4ClO_4	100	20	1.950																								
Ammonium persulphate	Ammoniumpersulfat	$(NH_4)_2S_2O_8$	10	25	1.060			D	D	D						A	A	A	A	A	A	A							
Ammonium persulphate	Ammoniumpersulfat	$(NH_4)_2S_2O_8$	40	20				D	D	D					A	A	A	A	A	A	A	A	A	A					
Ammonium persulphate	Ammoniumpersulfat	$(NH_4)_2S_2O_8$	50	20				D	D	D			A			A	A	A	A	A	A	A	A	A			A		
Ammonium persulphate	Ammoniumpersulfat	$(NH_4)_2S_2O_8$	100	20				D	D	D		D	A		A	A	A	A	A	A	A	A	D	D					
Ammonium phosphate, dibasic	Ammoniumdifosfat	$(NH_4)_2HPO_4$	50	20				C	D	C			A		C	A	A	A	A	A	A	A	A	A		C	A		
Ammonium phosphate, dibasic	Ammoniumdifosfat	$(NH_4)_2HPO_4$	100	20				C	D	C			A		C	A	A	A			A	A	A	A		C			
Ammonium phosphate, mono	Ammoniumfosfat	$NH_4H_2PO_4$, $(NH_4)H_2PO_4$	100	20				D	D	D	D		A		C	A	A	A	A	A	A	A	A	A		C			
Ammonium phosphate, mono	Ammoniumfosfat	$NH_4H_2PO_4$, $(NH_4)H_2PO_4$	100	60				D	D	D	D		A		C	A	A	A	A	A	A	A	B	A		C			
Ammonium phosphate, tribasic	Ammoniumtrifosfat	$(NH_4)_3H_2PO_4$	100	20				C		A			A		A	A	A	A			A	A	A	C		C			
Ammonium stannic chloride	Ammoniumtennklorid	$(NH_4)_2SnCl_6$	100	20											A			A	A										
Ammonium sulphate, saturated	Ammoniumsulfat, mättad	$(NH_4)_2SO_4$	10	20	1.060		2.2	A	A	C	D		A		A	A	A	A	A	A	A	A	A	A					
Ammonium sulphate, saturated	Ammoniumsulfat, mättad	$(NH_4)_2SO_4$	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	Ammoniumsulfat, mättad	$(NH_4)_2SO_4$	100	20	1.300			A	D	C	D		B		B	A	A	A	A	A	A	A	A	A					
Ammonium sulphide, saturated	Ammoniumsulfid, mättad	$(NH_4)_2S$	100	20					A		D		A		A		A	A	A	A			A				A		A
Ammonium sulphite, diluted	Ammoniumsulfit, utspädd	$(NH_4)_2SO_3$	100	20					A		C		A		A			A	A	A			A			C	A		A
Ammonium thiosulphate	Ammoniumtiosulfat	$(NH_4)_2S_2O_3$	100	20				D		D					A	A							A	A					
Amyl acetate, pure	Amylacetat, ren	$CH_3COOC_5H_{11}$, $C_7H_{14}O_2$	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	Amylacetat, ren	$CH_3COOC_5H_{11}$, $C_7H_{14}O_2$	100	40				A	B	C	C		B		A	A	D	D	B	A	D	C	D	D					
Amyl acetate, pure	Amylacetat, ren	$CH_3COOC_5H_{11}$, $C_7H_{14}O_2$	100	60				A	B	C	C		B		A	A	D	D	C	B	D		D	D					
Amyl alcohol (Amyl hydrate), pure	Amylalkohol (Pentanol), ren	$C_5H_{11}OH$	100	20	0.820	1.2		A	A	A	C	A	A		A	A	A	A	A	A	A	A	B	A	A	C	A		A
Amyl alcohol (Amyl hydrate), pure	Amylalkohol (Pentanol), ren	$C_5H_{11}OH$	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	Amylalkohol (Pentanol), ren	$C_5H_{11}OH$	100	80				A	A	A	C	A	A		A	A	B	B	A	A	B	A		A	A	C			
Amyl borate, pure	Amylborat, ren		100	20															A	A	A	B	A	A					
Amyl chloride, pure	Amylklorid, ren	$C_5H_{11}Cl$, $CH_3(CH_2)_3CH_2Cl$	100	20	0.870			A	D		B		A		D	A	D	D	A	A	B	D	B	D			A		A
Amyl chloride, pure	Amylklorid, ren	$C_5H_{11}Cl$, $CH_3(CH_2)_3CH_2Cl$	100	80				A	D		B				D	A	D	D	B	A		D		D					
Amyl chloronaphtalene	Amylklornaftalin		100	20																A	A			D					
Amyl mercaptan	Amylmerkaptan	$CH_3(CH_2)_4SH$, $C_5H_{11}SH$	100	20	0.850		1.9																						
Amyl naphtalene	Amylnaftalin		100	20																	A		D	D					
Aniline dyes	Anilinfärgämne	R-$C_6H_4NH_2$	100	20				C	B	C		A			A	A		A	A	A	B	C	C	C					
Aniline hydrochloride, pure	Anilinhydroklorid, ren	$C_6H_5NH_2HCl$	20	20	1.090				D				A		D			A	A	A	A		B	D					
Aniline hydrochloride, pure	Anilinhydroklorid, ren	$C_6H_5NH_2HCl$	100	20	1.080				D				A		D			A	A	A	A		B	D			A		A
Aniline hydrochloride, pure	Anilinhydroklorid, ren	$C_6H_5NH_2HCl$	100	60					D				A		D			A	B	A	A		B	D					
Aniline hydrochloride, pure	Anilinhydroklorid, ren	$C_6H_5NH_2HCl$	100	80					D				A		D				D	A			B	D					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Aniline oil	Anilinolja	C_6H_7N, $C_6H_5NH_2$	100	20	1.020		0.3	A		A			B		A	A					A	B	D	D					
Aniline sulphate	Anilinsulfat	$(C_6H_5NH_2)_2H_2SO_4$	100	20					A				A		A			A	A	A							A		
Aniline, pure	Anilin (Aminobensol), ren	$C_6H_5NH_2$, C_6H_7N	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
Aniline, pure	Anilin (Aminobensol), ren	$C_6H_5NH_2$, C_6H_7N	100	40				C	B	A	C		B		A	A	D	B	B	A	B	C	D	D	A	D	A		
Aniline, pure	Anilin (Aminobensol), ren	$C_6H_5NH_2$, C_6H_7N	100	60				C	B	A	C		B		A	A	D	C	B	A	B	D	D	D	A	D	A		
Aniline, pure	Anilin (Aminobensol), ren	$C_6H_5NH_2$, C_6H_7N	100	80				C	B	A	C		B		A	A	D	D	C	A		D	D	D		D			
Animal fats	Animala fetter		100	20																									
Animal oil (Lard)	Animalisk olja, (Späck)		100	20					A						A		A	A	A	A	A	A	A	B					
Anise oil	Anisolja		100	20				D		D					A	A					A			D					
Anisole	Anisol	$C_6H_5OCH_3$	100	20	1.000				A				A		A			D		A	D		D						
Anon (Cyclohexanone), pure	Anon, (Cyklohexanon), ren	$C_6H_{10}O$, $(CH_2)_5CO$	100	20	0.950	5	0.53		A				A		A	B	D	B	B	A	D	C	D	D	A				
Ansul ether (Methylphenylether)	Ansuleter (Metylfenyleter)	$C_6H_5OCH_3$	100	20																	D		C	D					
Anti-freeze	Frostskyddsmedel		100	20	1.110			A		A					A	A					A		A	C					
Antiformin	Antiformin	NaOCl(KOCl)	100	20	1.220				A				A					A	A	A	A		A				A		
Antimony	Antimon	Sb	100	20																									
Antimony fluoride	Antimonfluorid	SbF_5	100	20	3.000														A										
Antimony pentachloride	Antimonpentaklorid	$SbCl_5$	100	20	2.350																								
Antimony pentasulfide	Antimonpentasulfid	Sb_2S_5	100	20	4.120																								
Antimony trichloride, saturated	Antimontriklorid, mättad	$SbCl_3$	90	20									A		D			A	A	A	A						A		A
Antimony trichloride, saturated	Antimontriklorid, mättad	$SbCl_3$	100	20	3.140								A		D			A	A	A	A	B							
Antimony trichloride, saturated	Antimontriklorid, mättad	$SbCl_3$	100	40									A		D			A	B	A	A								
Antimony trichloride, saturated	Antimontriklorid, mättad	$SbCl_3$	100	60									A		D			B	C	B	A								
Antimony trichloride, saturated	Antimontriklorid, mättad	$SbCl_3$	100	80									A		D			B	C	B	B								
Antimony, plating solution	Antimon, ytbehandlingslösning		100	20											A	A	A	A			A		A	A					
Antracenoil	Antracenolja	$C_{14}H_{10}$	100	25	1.250																								
Antraquinone sulphonic acid	Antrakinonsyra	$C_6H_4(CO)_2C_6H_3SO_3H$	30	20					A				A		A			A		A	A						A		A
Aqua Regia	Kungsvatten	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	Kungsvatten	80% HCl+20% HNO_3	100	60				D	D			D	D		D	D		D	A	A		C	D	D					
Arochlor	Aroklor (Klorerade fenoler)		100	20					A				B		A	A	A			A	A	B	D	D					
Aromatic hydrocarbon	Aromatiskt kolväte		100	20				A							A	A					A	D	D	D					
Arsenic acid	Arseniksyra	H_3AsO_4 + H_2O	80	20				D	D	D	D		A		A	A	A	A	A	A	A	A	A	A			A		A
Arsenic acid, saturated	Arseniksyra, mättad	H_3AsO_4	10	20	1.070											A	A	A	A	A	A	A	A	A					
Arsenic acid, saturated	Arseniksyra, mättad	H_3AsO_4	80	20																					A				
Arsenic acid, saturated	Arseniksyra, mättad	H_3AsO_4	100	20	2.500			D	D	D	D				B	A	A	A	A	A	A	A	A	A	A				
Arsenic acid, saturated	Arseniksyra, mättad	H_3AsO_4	100	40				D	D	D	D				B	A	B	A	A	A	A	A	A	A	A				
Arsenic acid, saturated	Arseniksyra, mättad	H_3AsO_4	100	60				D	D	D	D				B	A	B	B	A	A	A	B	B	A	A				
Arsenic acid, saturated	Arseniksyra, mättad	H_3AsO_4	100	80				D	D	D	D				B	A	C	C	A	A	B	B	B	A	A				

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Arsenic trichloride	Arseniktriklorid	$AsCl_3$	100	20					D						D							D	A	A					
Arsenic trioxide, powder	Arseniktrioxid, pulver	As_2O_3	100	20	3.740																								
Arsenic, plating solution	Arsenik, ytbehandlingslösning		100	20											A	A	A	A			A		A	A					
Arsine	Arsin (Stridsgas)	AsH_3	100	20																									
Ascorbic acid	Askorbinsyra	$C_6H_8O_6$	100	20					A									A	A								A		
Askarel	Askarel		100	20																	A	D	B	D					
Asphalt	Asfalt		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)	Flygbensin		100	20	0.720		25																						
Barbeque sauce	Barbequesås		100	20		2000		D		D					A	A							A	A					
Barium carbonate, saturated	Bariumkarbonat, mättad	$BaCO_3$	100	20					A		B		A		A	A	A	A	A	A	A	A	A						
Barium carbonate, saturated	Bariumkarbonat, mättad	$BaCO_3$	100	80					A		B		A		A	A	A	A	A	A	A	A	B						
Barium chlorate	Bariumklorat	$Ba(ClO_3)_2+H_2O$	20	20	1.180				A				A		A			A	A								A		A
Barium chlorate	Bariumklorat	$Ba(ClO_3)_2$	100	20	3.180																								
Barium chloride	Bariumklorid	$BaCl_2$	10	20	1.090		2.2	C	A	C	C	A	A			A	A	A	A	A	A	A	A	A					
Barium chloride	Bariumklorid	$BaCl_2$	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	Bariumklorid, mättad	$BaCl_2+2H_2O$	100	20	3.860			C	A	C	C	A	A		B	A	A	A	A	A	A	A	A	A					
Barium chloride, saturated	Bariumklorid, mättad	$BaCl_2+2H_2O$	100	80				C	A	C	C	A	A		B	A	A	A	A	A	A	A	B	A					
Barium cyanide	Bariumcyanid	$Ba(CN)_2$	100	20				C			C				A	A					A	A	C	A					
Barium dioxide	Bariumdioxid	BaO_2	100	20	4.960																								
Barium hydrate	Bariumhydrat	BaOH	100	20				A		A					A	A							A	A					
Barium hydroxide, saturated	Bariumhydroxid, mättad	$Ba(OH)_2$	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	Bariumhydroxid, mättad	$Ba(OH)_2$	100	20				A	D	A	B	B	B		A	A	A	A	A	A	A	A	A	A		C			
Barium hydroxide, saturated	Bariumhydroxid, mättad	$Ba(OH)_2$	100	80				A	D	A	B	B	B		A	A	A	A	A	A	A	A	B	A		C			
Barium nitrate	Bariumnitrat	$Ba(NO_3)_2$	8	20	1.070			D	A	A			A		A	A	A	A	A	A	A	A	A	A			A		
Barium nitrate, saturated	Bariumnitrat, mättad	$Ba(NO_3)_2$	100	20	3.240			D		A					A	B	A	A	A	A	A	A	A	A					
Barium nitrate, saturated	Bariumnitrat, mättad	$Ba(NO_3)_2$	100	80				D		A					A	B	A	A	A	A	A	A	B	A					
Barium salts	Bariumsalter		100	20														A	A				A						
Barium sulphate, saturated	Bariumsulfat, mättad	$BaSO_4$	100	20					B		C				A	B	A	A	A	A	A	A	A	A		D			
Barium sulphate, saturated	Bariumsulfat, mättad	$BaSO_4$	100	80					B		C				A	B	A	A	A	A	A	A	B	A		D			
Barium sulphide, saturated	Bariumsulfid, mättad	BaS	100	20				A	D		D				A	A	A	A	A	A	A	A	B	A					
Barium sulphite	Bariumsulfit	$BaSO_3$	100	20				A								A	A				A		A						
Beef extract	Biffextrakt		100	20				D		D					A	A					A		A	A					
Beer	Öl		100	20	1.010	2		A	A	D			A		A	A	A	A	A	A	A	A	B	A		C	A		
Beet sugar liquor	Betsockervätska		100	20				C	A	A			A		A	A	A	A	A	A	A	A	A	A					
Benzaldehyde	Bensaldehyd	C_6H_5CHO	0,1	20	1.050			A	A	A	C		A		A	A	D	A	A	A	C	C	D	D			A		
Benzaldehyde	Bensaldehyd	C_6H_5CHO	10	20				A	A	A	C		A		A	A	D	A	A	A	C	C	D	D					
Benzaldehyde	Bensaldehyd	C_6H_5CHO	10	60				A	A	A	C		A		A	A	D	B	B	A			D	D					

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Benzaldehyde, above 10%	Bensaldehyd, över 10%	C_6H_5CHO	10	20				A	A	A	C		A		A	A	D	A	A	A	C	C	D	D					
Benzaldehyde, above 10%	Bensaldehyd, över 10%	C_6H_5CHO	10	40				A	A	A	C		A		A	A	D	B	B	A			D	D					
Benzaldehyde, saturated	Bensaldehyd, mättad	C_6H_5CHO	100	20	1.050										A			A	A	A	A	A	C	D	A				
Benzene (Benzol), pure	Bensen (Bensol), ren	C_6H_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	Bensen (Bensol), ren	C_6H_6	100	40				A	B	A	B	B	B		B	A	D	C	B	A	B	D	D	D	A	C	A		
Benzene (Benzol), pure	Bensen (Bensol), ren	C_6H_6	100	80				A	B	A	B	B	B		B	A	D		C	A	B	D	D	D	A	C	A		
Benzene hexachloride	Bensolhexaklorid	$C_6H_6Cl_6$	100	20	1.870																								
Benzene sulphonic acid	Bensolsulfonsyra (Bensensulfonsyra)	$C_6H_5SO_3H$, $C_6H_5SO_2OH$	10	20				D	D	D					B		D	D	B	A	A	C	D	A					
Benzene sulphonic acid	Bensolsulfonsyra (Bensensulfonsyra)	$C_6H_5SO_3H$, $C_6H_5SO_2OH$	10	60				D	D	D					B		D	D	C	A	A	C	D	A					
Benzene sulphonic acid	Bensolsulfonsyra (Bensensulfonsyra)	$C_6H_5SO_3H$, $C_6H_5SO_2OH$	10	80				D	D	D					B		D	D	D	A		C	D	A					
Benzene sulphonic acid	Bensolsulfonsyra (Bensensulfonsyra)	$C_6H_5SO_3H$, $C_6H_5SO_2OH$	100	20				D	D	D			A		A	A		A	A	A		C		A			A		
Benzine (Gasoline), leaded	Bensin (Motorbensin), bly	CnH_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	Bensin (Motorbensin), sur	CnH_2n+_2	100	20				A	A	A	B	A	A		A	A	A	D	A	A	A	D	B	D					
Benzine (Gasoline), unleaded	Bensin (Motorbensin), blyfri	CnH_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	Bensin, kemiskt ren	CnH_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	Bensin, kemiskt ren	CnH_2n+_2	100	40				A	A	A	B	A	A		A	A	D	B	A	A	A	D	A	D					
Benzine (Petrol), pure	Bensin, ren	CnH_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	Bensin, ren	CnH_2n+_2	100	40				A	A	A	B	A	A		A	A	D	B	A	A	A	D	A	D					
Benzine (Petrol), pure	Bensin, ren	CnH_2n+_2	100	60				A	A	A	B	A	A		A	A	D	C	B	A	B	D	B	D					
Benzoate soda	Bensoat natron	$C_6H_5CO_2Na$	36	20														A	A										
Benzoic acid, pure	Bensoesyra, ren	C_6H_5COOH	50	20	1.060			C	B	D	D		A		B	A	A	A	A	A	A	A	B	D	A				
Benzoic acid, pure	Bensoesyra, ren	C_6H_5COOH	100	20	1.270			C	B	D	D		A		B	A	A	A	A	A	A	A	B	D	A		A		A
Benzoic acid, pure	Bensoesyra, ren	C_6H_5COOH	100	40				C	B	D	D				B	A	A	B	A	A	A	A	B	D	A				
Benzoic acid, pure	Bensoesyra, ren	C_6H_5COOH	100	60				C	B	D	D				B	A	B	C	A	A	A	A	B	D	A				
Benzoic acid, pure	Bensoesyra, ren	C_6H_5COOH	100	80				C	B	D	D				B	A	C	D	A	A	A	B		D	A				
Benzoic trichloride	Bensoetriklorid	$C_6H_5CCl_3$	100	20	1.375																								
Benzonitrile	Bensonitril	C_7H_5N	100	20																A									
Benzotrifluoride	Bensotrifluorid	$C_6H_5CF_3$	100	20	1.200																								
Benzoyl chloride	Bensoylklorid	C_6H_5COCl	100	20	1.210				A				A					D	A	A					A		A		
Benzoyl peroxide	Bensoylperoxid	$(C_6H_5CO)_2O_2$	100	20	1.330																								
Benzyl acetate	Bensylacetat	$C_6H_5CH_2CO_2CH_3$	100	20	1.050				A																		A		
Benzyl alcohol, chemically pure	Bensylalkohol, kemiskt ren	$C_6H_5CH_2OH$, C_7H_8O	100	20	1.040			A	B	A		A	A		A	A		A	A	A	A	B	D	C			A		
Benzyl alcohol, chemically pure	Bensylalkohol, kemiskt ren	$C_6H_5CH_2OH$, C_7H_8O	100	60				A	B	A		A	A		A	A		A	A	A	A	C	D	C					
Benzyl alcohol, chemically pure	Bensylalkohol, kemiskt ren	$C_6H_5CH_2OH$, C_7H_8O	100	80				A	B	A		A	A		A	A			A	A	B		D	C					
Benzyl benzoate, saturated	Bensylbensoat, mättad	$C_{14}H_{12}O_2$	100	20					A	B					B					A	A	B	D						
Benzyl butyl phtalate	Bensylbutylftalat	$C_6H_4CO_2CH_2C_6H_5CO_2(CH_2)_3CH_3$	100	20					A				A		A														
Benzyl chloride, pure	Bensylklorid (Klormetylbensen), ren	$C_6H_5CH_2Cl$	100	20	1.104	1.2	0.12	D	D	D					B	A		A	A	A	A	D	D	D			A		

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Benzyl cyanide	Bensylcyanid	$C_6H_5CH_2CN$	100	20	1.020														A										
Benzyl peroxide, powder	Bensylperoxid, pulver	$(C_6H_5CO)_2O_2$	100	20	1.330			D		D					A	D								A					
Benzyl sulfanilic acid	Bensylsulfanilsyra	$C_6H_5CH_2NHC_6H_4SO_3H$	100	20					A				A		A			A		A						A		
Beryllium chloride	Berylliumklorid	$BeCl_2$	10	20	1.070				A				A		D			A	A	A							A		A
Beryllium sulphate	Berylliumsulfat	$BeSO_4$	10	20	1.090				D		B		A		A			A	A	A							A		A
Beryllium, powder	Berylliumpulver	Be	100	20	1.850																								
Biphenyl	Bifenyl	$C_6H_5C_6H_5$	100	25	1.990																								
Birch oil	Björkolja		100	20											A	A					A		A	D					
Biscuit dough	Kexdeg		100	20				A							A						A		A	A					
Bisque mass	Biskvimassa		100	20				C							A	A	A	A			A		A	A					
Black liquor, saturated	Svartlut, mättad		100	20					C		C				B		A	A	A	A	A	A	A	B					
Black liquor, saturated	Svartlut, mättad		100	80					C		C				B		B	B	A	A	A	A	B	B					
Blast furnace gas	Masugnsgas		100	20																A	A		D	D					
Bleach liquor (Bleaching agent)	Klorkalklösning (Blekmedel)	$CaOCl_2$	5	20											A	A	A	A	A	A	A	A	C	C					
Bleach liquor (Bleaching agent)	Klorkalklösning (Blekmedel)	$CaOCl_2$	12	20											A	A	A	A	A	A	A	B	C	C					
Bleaching agent	Blekningsmedel	$CaOCl_2$	5	20											A	A	A	A	A	A	A	A	C	C					
Bleaching agent	Blekningsmedel	$CaOCl_2$	12	20											A	A	A	A	A	A	A	B	C	C					
Blood	Blod		100	20	1	5			B		D				A	A							A	A					
Bone oil	Benolja		100	20	0.92	50		A		A					A	A					A		A	D					
Bone oil (Dippel´s oil)	Dippelolja		100	20				A		A					A	A							A	A					
Borax (Sodium tetraborate)	Borax (Natriumtetraborat)	$Na_2B_4O_7+10H_2O$	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)	Borax (Natriumtetraborat)	$Na_2B_4O_7+10H_2O$	100	20	2.370			A	C	A	C	A	A		A	A	A	A	A	A	A	A	A	C		A			
Borax (Sodium tetraborate)	Borax (Natriumtetraborat)	$Na_2B_4O_7+10H_2O$	100	40				A	C	A	C	A	A		A	A	A	A	A	A	A	A	B	C		A			
Borax (Sodium tetraborate)	Borax (Natriumtetraborat)	$Na_2B_4O_7+10H_2O$	100	60				A	C	A	C	A	A		A	A	A	A	A	A	A	A	C	C		A			
Borax (Sodium tetraborate)	Borax (Natriumtetraborat)	$Na_2B_4O_7+10H_2O$	100	80				A	C	A	C	A	A		A	A	A	A	A	A	A		D	C		A			
Bordeaux mixture	Bordeauxvätska		100	20					D						A					A	A	A		A					
Boric acid, saturated	Borsyra (Ortoborsyra), mättad	H_3BO_3, $B(OH)_3$	10	20	1.010							A	A			A	A	A	A	A	A	A	A	A	A	A			
Boric acid, saturated	Borsyra (Ortoborsyra), mättad	H_3BO_3, $B(OH)_3$	50	20								A	A			A	A	A	A	A	A	A	A	A	A	A			
Boric acid, saturated	Borsyra (Ortoborsyra), mättad	H_3BO_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	Borsyra (Ortoborsyra), mättad	H_3BO_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	Borfluorsyra	HBF_4	100	20	1.220				D				B		C	A	A	A	A	A	A	A	A	A			A		
Borofluoric acid	Borfluorsyra	HBF_4	100	80					D				B		C	A	A	B	A	A	A	B	A	A					
Boron trichloride	Bortriklorid	BCl_3	100	20	1.430				D				A					A	A	A					A		A		A
Boron triethyl hydrate	Bortrietylhydrat	$(C_2H_5)_3B$	100	20									A			A					A								
Boron trifluoride	Bortrifluorid	BF_3	100	20															A	A					A				
Brake fluid	Bromsolja		100	20				A		A					A	A							D	A					
Brandy	Konjak		100	20														A	A				A						

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Brass, plating solution	Mässing, ytbehandlingslösning		100	20								A	A		A	A	A	A	A	A	A	A	A	A					
Brass, plating solution	Mässing, ytbehandlingslösning		100	80								A	A		A	A	B	A	A	A			A	A					
Brawn	Sylta		100	20											A									A					
Brewery dregs (Brewery slop)	Bryggeridrank		100	20				A		A					A	A					A		A	A					
Brine	Saltlake		100	20				A		D					A	A	A	A	A	A	A	A	A	A					
Brine	Saltlake		100	60				A		D					A	A	A	A	A	A	A	A	B	A					
Brine	Saltlake		100	80				A		D					A	A	A	A	A	A	A	B		A					
Bromic acid, pure	Bromsyra, ren	HBr	100	20				D	D	D			A		D	A	A	D	A	A	A	A	D	C					
Bromine trifluoride	Bromtrifluorid	BrF_3	100	20					D						B						D	D	D	D					
Bromine water, saturated	Bromvatten, mättad		100	20					D						B		C	C	A	A	A	D	D	B					
Bromine water, saturated	Bromvatten, mättad		100	40					D						B			D	A	A	A	D	D	B					
Bromine water, saturated	Bromvatten, mättad		100	80					D						B			D	B			D	D	B					
Bromine, anhydrous	Brom, vattenfri	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	Brom, vattenhaltig, utspädd	Br_2	100	20				D	D	D		A	D		D			A	A	A	A	D	D	D			A		
Bromine, fluid	Brom, vätska	Br_2	100	20	3.190				A		D	A	A		D			A	A	A	A	D	D	D		D	D		
Bromine, vapor	Brom, ånga	Br_2	25	20														D	A	A	A	D	D	D					
Bromine, vapor	Brom, ånga	Br_2	25	80														D	B			D	D	D					
Bromine, vapor	Brom, ånga	Br_2	100	20																									
Bromobenzene	Brombensol (Brombensen)	C_6H_5Br	100	20	1.500				A				A		A			A	A		A	D	D	D			A		
Bronze, plating solution	Brons, ytbehandlingslösning		100	20											A	A	A	A			A		A	A					
Bunker oil	Brännolja		100	20					A						A				A		A	D	A						
Butadiene-1,3, gas	Butadien-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	Butadien-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)	Butanal (i)	$(CH_3)_2CHCHO$	100	20	0.790		15.3																						
Butane (n), gas	Butan (n), gas	C_4H_{10}, $CH_3CH_2CH_2CH_3$	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	Butandiol	$HOCH_2CH_2CH_2CH_2OH$	10	20					A				A		A			A		A	D		A						
Butter	Smör		100	20		100000		D		D					A	A			A	A	A	A	A	C		C			
Butter milk	Kärnmjölk		100	20				D		D					A	A		A			A		A	A					
Butyl acetate (i), pure	Butylacetat (i-butylacetat), ren	$CH_3COOCH_2CH(CH_3)_2$	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	Butylacetat (n-butylacetat), ren	$CH_3COOC_4H_9$, $C_4H_9CO_2CH_3$	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	Butylacetat (n-butylacetat), ren	$CH_3COOC_4H_9$, $C_4H_9CO_2CH_3$	100	40				A	B	A	B	A	B		C	A		D	B	A	D	C	D	D	A	C			
Butyl acetate (n), pure	Butylacetat (n-butylacetat), ren	$CH_3COOC_4H_9$, $C_4H_9CO_2CH_3$	100	60				A	B	A	B	A	B		C	A		D	D	A	D	D	D	D	A	C			
Butyl acetate (n), pure	Butylacetat (n-butylacetat), ren	$CH_3COOC_4H_9$, $C_4H_9CO_2CH_3$	100	80				A	B	A	B	A	B		C	A		D	D	B	D	D	D	D		C			
Butyl acetate (Sec), pure	Butylacetat (Sec-butylacetat), ren	$CH_3COOCH(CH_3)C_2H_5$	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 acetyl ricinoleate	Butylacetylricinoleat		100	20																A	A	C		B					
Butyl acrylate, pure	Butylakrylat, ren	CH_2=$CHCOOC_4H_9$	100	20	0.900		0.48										D	D	A	A	D	A	D						
Butyl acrylate, pure	Butylakrylat, ren	CH_2=$CHCOOC_4H_9$	100	40													D	D	B	A	D	A	D						

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Butyl acrylate, pure	Butylakrylat, ren	CH_2=$CHCOOC_4H_9$	100	60													D	D	C	A	D		D						
Butyl acrylate, pure	Butylakrylat, ren	CH_2=$CHCOOC_4H_9$	100	80													D	D	D		D		D						
Butyl acrylate, saturated	Butylakrylat, mättad	CH_2=$CHCOOC_4H_9$	100	20																	D	A	D						
Butyl alcohol (Butanol), pure	Butylalkohol (Butanol), ren	C_4H_9OH	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	Butylalkohol (Butanol), ren	C_4H_9OH	100	60				A	B	D	C	A	A		A	A	A	A	A	A	C	A	B	A		C			
Butyl alcohol (Butanol), pure	Butylalkohol (Butanol), ren	C_4H_9OH	100	80				A	B	D	C	A	A		A	A	B	A	A	A		A		A		C			
Butyl amine, saturated	Butylamin, mättad	$C_4H_9NH_2$	100	20	0.750		9.3		A						A		D	D	B	A	A	D	A	D					
Butyl amine, saturated	Butylamin, mättad	$C_4H_9NH_2$	100	40					A						A		D	D	D	A		D		D					
Butyl benzoate	Butylbensoat		100	20					B						B					A	A	B		D					
Butyl bromid, pure	Butylbromid, ren	C_6H_9-Br	100	20															A	A									
Butyl carbitol	Butylkarbitol	$C_4H_9OCH_2CH_2OCH_2CH_2OH$	100	20	0.960		0.6													A	A	A	A	B					
Butyl cellosolve, pure	Butyletylglykol (Butylglykol), ren	$C_4H_9OCH_2CH_2OH$	100	20	0.900														A	A	D		D	B					
Butyl cellosolve, pure	Butyletylglykol (Butylglykol), ren	$C_4H_9OCH_2CH_2OH$	100	60															B	A	D		D	B					
Butyl cellosolve, pure	Butyletylglykol (Butylglykol), ren	$C_4H_9OCH_2CH_2OH$	100	80															C	A	D		D	B					
Butyl chloride	Butylklorid	C_4H_{10}-nCln	100	20	0.890				A				A		D			A	A	A							A		
Butyl diol	Butyldiol		100	20															A	A	A	A	A						
Butyl ether	Butyleter	$CH_3COOC_4H_9$	100	20	0.880		1.2										D	D	A	A	D	D	B	D	A				
Butyl ether	Butyleter	$CH_3COOC_4H_9$	100	60													D	D	C	A	D	D							
Butyl ether	Butyleter	$CH_3COOC_4H_9$	100	80													D	D	D		D	D							
Butyl glycol	Butylglykol	$C_4H_9OCH_2CH_2OH$, $C_6H_{14}O_2$	100	20	0.900				A				A		A			A	A								A		
Butyl glycolate	Butylglykolat	$CH_2OHCOOC_4H_9$	100	20	1.010		0.13																						
Butyl hydroperoxide	Butylhydroperoxid	$(CH_3)_3COOH$	100	20	0.860																								
Butyl lithium	Butyllitium	C_4H_9Li	100	20																									
Butyl mercaptan, pure	Butylmerkaptan, ren		100	20															A	A	A		D	D					
Butyl oleate	Butyloleat		100	20																	A	C		D					
Butyl peracetate	Butylperacetat	$CH_3CO(O_2)C(CH_3)_3$	100	20	0.920																								
Butyl perbenzoate	Butylperbensoat	$C_6H_5COOOC(CH_3)_3$	100	20	1.030																								
Butyl phenol	Butylfenol	$HOC_6H_4C(CH_3)_3$	100	20					A						A			A	A	A	D		D				A		
Butyl phthalate	Butylftalat		100	20					A				A		A			A	A	A	B	B	D				A		
Butyl phthalate	Butylftalat		100	40					A				A		A			A	B	A	B		D						
Butyl phthalate	Butylftalat		100	60					A				A		A			A	C		D		D						
Butyl phthalate	Butylftalat		100	80					A				A		A				D		D		D						
Butyl stearate, pure	Butylstearat, ren		100	20					B						B				A	A	A	C	B						
Butyl stearate, pure	Butylstearat, ren		100	60					B						B				A	A	A		C						
Butylene	Butylen	C_4H_8	100	20	0.620			D	A						A	A	A	D	A	A	A	D	A	C			A		
Butylene	Butylen	C_4H_8	100	80				D	A						A	A	A	D	A	A	B	D	A	C					
Butylene glycol	Butylenglykol	HO-CH_2-CH=CH-CH_2-OH	100	20	1.010																								

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Butyraldehyde (n)	Butyraldehyd (n)	C_3H_7CHO, $CH_3(CH_2)_2CHO$	100	20	0.800		12	D		A					D	A					C	C	C	D					
Butyric acid, pure	Smörsyra, ren	C_3H_7COOH, $C_4H_8O_2$	20	20	0.880			A	A			B	A		B	A	D	A	A	A	A	A	D	A	A	C	A		
Butyric acid, pure	Smörsyra, ren	C_3H_7COOH, $C_4H_8O_2$	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	Smörsyra, ren	C_3H_7COOH, $C_4H_8O_2$	100	40				A		D	D	B	A		B	A	D	A	A	A	C		D	D		C			
Butyric acid, pure	Smörsyra, ren	C_3H_7COOH, $C_4H_8O_2$	100	60				A		D	D	B	A		B	A	D	A	A	A	D		D	D		C			
Cadmium chloride	Kadmiumklorid	$CdCl_2$	50	20	1.680				D				A		A			A	A	A							A		
Cadmium nitrate	Kadmiumnitrat	$Cd(NO_3)_2$	50	20	1.640													A	A										
Cadmium sulphate	Kadmiumsulfat	$CdSO_4$	40	20	1.550				A				A		A			A	A	A							A		A
Cadmium, plating solution	Kadmium, ytbehandlingslösning		100	20								A				A	A	D	A	A	A	A	A	A					
Cadmium, plating solution	Kadmium, ytbehandlingslösning		100	80								A				A	B	D	A	A			A	A					
Caffeine citrate	Koffeincitrat		100	20															A	A									
Calcium	Kalcium	Ca	100	20																									
Calcium acetate, saturated	Kalciumacetat, mättad	$Ca(C_2H_3O_2)_2+2H_2O$	100	20					C						B		A	A	A	A	A	A	A	B					
Calcium acetate, saturated	Kalciumacetat, mättad	$Ca(C_2H_3O_2)_2+2H_2O$	100	80					C						B		B	B	A	A	A	A		B					
Calcium bisulphate	Kalciumbisulfat	$Ca(HSO_4)_2$	100	20				C		D					A	A								A					
Calcium bisulphide, saturated	Kalciumbisulfid, mättad		100	20				C							B	A	A	A	A	A	A	D	A	A					
Calcium bisulphide, saturated	Kalciumbisulfid, mättad		100	40				C							B	A	A	A	A	A	A	D	B	A					
Calcium bisulphide, saturated	Kalciumbisulfid, mättad		100	80				C							B	A		A	A	A	B	D		A					
Calcium bisulphite, saturated	Kalciumbisulfit, sulfatlut, mättad	$Ca(HSO_3)_2$	25	25	1.040				A		D		A		B		A	A	A	A	A	A	A	A					
Calcium bisulphite, saturated	Kalciumbisulfit, sulfatlut, mättad	$Ca(HSO_3)_2$	100	20	1.400				A		D		A		B		A	A	A	A	A	B	A	A			A		A
Calcium bromide	Kalciumbromid	$CaBr_2$	50	20	1.640													A	A								A		
Calcium carbide	Kalciumkarbid	CaC_2	100	20	2.220																								
Calcium carbonate, saturated	Kalciumkarbonat, mättad	$CaCO_3$	100	20								A	A		A	A	A	A	A	A	A	A	A	A					
Calcium carbonate, saturated	Kalciumkarbonat, mättad	$CaCO_3$	100	60								A	A		A	A	A	A	A	A	A	A	B	A					
Calcium chlorate, saturated	Kalciumklorat, mättad	$Ca(ClO_3)_2$	100	20											A		A	A	A	A	A	A	C				A		A
Calcium chloride	Kalciumklorid	$CaCl_2+6H_2O$, $CaCl_2$	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	Kalciumklorid, mättad	$CaCl_2+6H_2O$, $CaCl_2$	100	20				A	D	C	C	B	A		B	A	A	A	A	A	A	A	A	A		A			
Calcium chloride, saturated	Kalciumklorid, mättad	$CaCl_2+6H_2O$, $CaCl_2$	100	60				A	D	C	C	B	A		B	A	A	A	A	A	A	A	B	A		A			
Calcium cyanide	Kalciumcyanid	$Ca(CN)_2$	100	20																									
Calcium hydroxide	Kalciumhydroxid (Kalkmjölk)	$Ca(OH)_2$	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	Kalciumhydroxid (Kalkmjölk)	$Ca(OH)_2$	5	25	1.060			D	D	A	C	A	A		A	A	A	A	A	A	A	A	A	A					
Calcium hydroxide, saturated	Kalciumhydroxid (Kalkmjölk), mättad	$Ca(OH)_2$	100	20				D	D	A	C	A	A		A	A	A	A	A	A	A	A	A	A					
Calcium hydroxide, saturated	Kalciumhydroxid (Kalkmjölk), mättad	$Ca(OH)_2$	100	80				D	D	A	C	A	A		A	A	B	A	A	A	A	A	C	A					
Calcium hypochlorite, saturated	Kalciumhypoklorit (Klorkalk), mättad	$Ca(ClO)_2$	100	20	2.100			D	D	D			A		D	A	A	A	A	A	A	B	C	D		C	A		A
Calcium hypochlorite, saturated	Kalciumhypoklorit (Klorkalk), mättad	$Ca(ClO)_2$	100	60				D	D	D			A		D	A	B	B	A	A	A			D		C			
Calcium hypochlorite, saturated	Kalciumhypoklorit (Klorkalk), mättad	$Ca(ClO)_2$	100	80				D	D	D			A		D	A		C	A	A				D		C			
Calcium nitrate	Kalciumnitrat	$Ca(NO_3)_2$	50	20	1.480				A				A		A		A	A	A	A	A	A	A	A			A		A

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Calcium nitrate, saturated	Kalciumnitrat, mättad	$Ca(NO_3)_2$	100	20					B						B		A	A	A	A	A	A	A	A					
Calcium oxide (Burnt lime)	Kalciumoxid (Bränd kalk)	CaO	100	20	3.370			A		A					A	A	A				A	A	A	A		C			
Calcium permanganate	Kalciumpermanganat	$Ca(MnO_4)_2$	100	20					A									A	A	A									
Calcium sulphate	Kalciumsulfat	$CaSO_4$	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	Kalciumsulfat, mättad	$CaSO_4$	100	20				A		A	C	B	B		B	A	A	A	A	A	A	A	A	D					
Calcium sulphate, saturated	Kalciumsulfat, mättad	$CaSO_4$	100	80				A		A	C	B	B		B	A	A	A	A	A	A	A	B	D					
Calcium sulphide, saturated	Kalciumsulfid, mättad	CaS	100	20	2.800				A						A			A	A	A	A	A	A	A			A		
Calcium sulphide, saturated	Kalciumsulfid, mättad	CaS	100	80					A						A			A	A	A	A	A	B	A					
Calcium sulphite	Kalciumsulfit	$CaSO_3$	100	20					A						A			A	A	A							A		A
Calgon (Sodium hexametaphosphate)	Calgon (Natriumhexametafosfat)	$(NaPO_3)_6$	100	20				C		D					A	A					A		A	A					
Campher	Kamfer	$C_{10}H_{16}O$	100	20	0.990			A					A		A			A		A	D		A				A		
Cane sugar liquor	Rörsockervätska	$C_{12}H_{22}O_{11}$	100	20				A	A	A			B		A	A	A	A	A	A	A	A	A	A		C			
Cane sugar liquor	Rörsockervätska	$C_{12}H_{22}O_{11}$	100	80				A	A	A			B		A	A		A	A	A	A	A	B	A		C			
Capric acid-n	Kaprinsyra-n	$CH_3(CH_2)_8CO_2H$	100	20					A				A		A			A	A	A							A		
Capronic acid	Kapronsyra	$CH_3(CH_2)_4CO_2H$	100	20	0.930			A					A		A			D	A	A							A		A
Capronic nitrile-n	Kapronnitril-n	$CH_3(CH_2)_4CN$	100	20												A								D					
Capryl alcohol	Kaprylalkohol	$CH_3CHOH(CH_2)_5CH_3$	100	20	0.820		0.03		A				A		A					A							A		
Caprylic acid, pure	Kaprylsyra, ren	$CH_3(CH_2)_6CO_2H$	100	20	0.920				A				A					D	A	A							A		
Carbamate (Carbamido)	Karbamid		100	20																	A	C	C	B					
Carbamide (Urea)	Karbamid	$(H_2N)CO(NH_2)$	50	20	1.115																								
Carbamide (Urea)	Karbamid	$(H_2N)CO(NH_2)$	100	20	1.320			C	A	A			A		A	A	A	A	A	A	A	A	A	D			A		
Carbaryl	Karbaryl	$C_{10}H_7OCONHCH_3$	100	20																									
Carbide slurry	Karbidslam		100	20														A	A										
Carbitol	Karbitol	$C_2H_5OCH_2CH_2OCH_2CH_2OH$	100	20	0.990				B						B					A	A	A	A	B					
Carbitol	Karbitol	$C_2H_5OCH_2CH_2OCH_2CH_2OH$	100	40					B						B					A	B		C	B					
Carbitol	Karbitol	$C_2H_5OCH_2CH_2OCH_2CH_2OH$	100	60					B						B					A	C			B					
Carbon dioxide, dry	Koldioxid, torr	CO_2	100	20				A	A	D		A			A	A	A	A	A	A	A	A	A	A					
Carbon dioxide, dry	Koldioxid, torr	CO_2	100	80				A	A	D		A			A	A	A	A	A	A	A	A	B	A					
Carbon dioxide, wet	Koldioxid, fuktig	CO_2	100	20				A	A	D		A			A	A	A	A	A	A	A	A	A	A					
Carbon dioxide, wet	Koldioxid, fuktig	CO_2	100	80				A	A	D		A			A	A	A	A	A	A	A	A	B	A					
Carbon disulphide, pure	Koldisulfid (Kolsvavla), ren	CS_2	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	Koldisulfid (Kolsvavla), ren	CS_2	100	40				D	A	A	B		A		A	A	C	D		A	B	D	C	D	A	C			
Carbon disulphide, pure	Koldisulfid (Kolsvavla), ren	CS_2	100	60				D	A	A	B		A		A	A	D	D		A	C	D	D	D		C			
Carbon disulphide, pure	Koldisulfid (Kolsvavla), ren	CS_2	100	80				D	A	A	B		A		A	A	D	D		A	D	D	D	D		C			
Carbon monoxide, gas	Koloxid (Kolmonoxid), gas	CO	100	20				C	A	D		A			A	A	A	A	A	A	A	A	A	A		A			
Carbon monoxide, gas	Koloxid (Kolmonoxid), gas	CO	100	80				C	A	D		A			A	A	A	A	A	A	A	A	B	A		A			
Carbon tetrachloride, pure	Koltetraklorid (Tetraklormetan), ren	CCl_4	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		

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Carbon tetrachloride, pure	Koltetraklorid (Tetraklormetan), ren	CCl_4	100	40				B	B	C	D	B	A		A	A	D	D	A	A		D	D	D	C	D			
Carbonated water	Karbonathaltig vatten		100	20				C							A	A	A	A			A		A	A					
Carbonic acid, saturated	Kolsyra, mättad	H_2CO_3	100	20				A	D	D		A	A		A	A	A	A	A	A	A	A	A	A		C	A		A
Carbonic acid, saturated	Kolsyra, mättad	H_2CO_3	100	80				A	D	D		A	A		A	A	B	B	A	A	A	A	B	A		C			
Carnallite lye	Karnallitlut	$MgCl_2$+KCl	100	20					D				A		A			A		A							A		A
Casein	Kasein		100	20															A	A	A	A							
Castor oil, pure	Ricinolja, ren		100	20	0.960	600		A	A	A					A	A	A	A	A	A	A	A	A	A			A		
Caustic potash (Potassium hydroxide)	Kaustikt kali (Kaliumhydroxid, Kalilut)	KOH	20	20	1.190			D	D	C			B		B	A	A	A	A	A	D	A	B	D			A		A
Caustic potash (Potassium hydroxide)	Kaustikt kali (Kaliumhydroxid, Kalilut)	KOH	25	20				D	D	C			B		B	A	A	A	A	A	D	A	B	D			A		A
Caustic potash (Potassium hydroxide)	Kaustikt kali (Kaliumhydroxid, Kalilut)	KOH	25	60				D	D	C			B		B	A	A	A	B	A	D	A	C	D			A		A
Caustic potash (Potassium hydroxide)	Kaustikt kali (Kaliumhydroxid, Kalilut)	KOH	25	80				D	D	C			B		B	A	B	A	C	A	D	A	D	D			A		A
Caustic potash (Potassium hydroxide)	Kaustikt kali (Kaliumhydroxid, Kalilut)	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)	Kaustikt kali (Kaliumhydroxid, Kalilut)	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)	Kaustikt kali (Kaliumhydroxid, Kalilut)	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)	Kaustikt kali (Kaliumhydroxid, Kalilut)	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)	Kaustikt kali (Kaliumhydroxid, Kalilut)	KOH	100	20	2.040																								
Cellosolve (Ethyl glycol)	Etylglykol	$C_2H_5OCH_2CH_2OH$, $C_4H_{10}O_2$	100	20	0.930		0.67		B						B			A	A	A	C	B	C			D	A		
Cellosolve (Ethyl glycol)	Etylglykol	$C_2H_5OCH_2CH_2OH$, $C_4H_{10}O_2$	100	40					B						B			A	A	A	D		D			D			
Cellosolve (Ethyl glycol)	Etylglykol	$C_2H_5OCH_2CH_2OH$, $C_4H_{10}O_2$	100	60					B						B				B	A	D		D			D			
Cellosolve (Ethyl glycol)	Etylglykol	$C_2H_5OCH_2CH_2OH$, $C_4H_{10}O_2$	100	80					B						B				C	A	D		D			D			
Cellosolve acetate (Ethyl glycol acetate)	Etylglykolacetat	$CH_3COOC_2H_4OC_2H_5$	100	20	0.970		0.3												A		D		D						
Cellulose acetate	Cellulosaacetat		100	20					B		B				A				A										
Cellulose ether	Cellulosaeter		100	20									A		A			A	A	A									
Cellulose glue	Cellulosalim		100	20				C							A	A		A			A		A	A					
Cellulose nitrate	Cellulosanitrat	$C_6H_7O_2(OH)_2(ONO_2)$	100	20	1.660																								
Cetyl alcohol (Hexadecanol)	Cetylalkohol (Hexadekanol)	$CH_3(CH_2)_{15}OH$	100	20	0.800				A				A		A				A								A		
Chlor trisodium phosphate	Klortrinatriumfosfat		100	20											A	A					A		A	A					
Chloral	Kloral	CCl_3CHO	100	20	1.520		4.3																						
Chloral hydrate	Kloralhydrat	CCl_3 -$CH(OH)_2$	100	20					D				A					D	D	A	D		D				A		
Chlorepoxypropane	Klorepoxipropan	OCH_2CHCH_2Cl	100	20												A					D		D	D					
Chlorethanoic sulfonic acid-B	Kloretansulfonsyra-B	$ClCH_2CH_2SO_3H$	100	20															A										
Chlorethanol (Ethylene chlorohydrin)	Kloretanol (Etylenklorhydrin)	$ClCH_2$-CH_2OH	100	20																									
Chloric acid	Klorsyra	$HClO_3$	10	20					D				A		D			A	A	A	A		D				D		A
Chloric acid	Klorsyra	$HClO_3$	20	20					D				A		D			A	A	A	A		D						
Chloride of lime	Klorkalk	$Ca(ClO)_2$+$4H_2O$	100	20	2.350			D	D	D					A	A		A	A	A	A		D	C			A		
Chloride of lime	Klorkalk	$CaOCl_2$	100	20				D	D	D					A	A		A	A	A	A		D	C			A		
Chlorinated glue	Klorlim		100	20				A		D					A	A					A	B	C	D					

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Chlorinated hydrocarbons	Klorerade kolväten		100	20				A								A					D		A	D					
Chlorinated solvents	Klorerade lösningsmedel		100	20																A	B	D	D						
Chlorine dioxide, pure	Klordioxid, ren	ClO_2	5	20					D				D		D				A	A						A		
Chlorine dioxide, pure	Klordioxid, ren	ClO_2	100	20	3.090				D						D		A	C	A	A	D	C	D	D					
Chlorine dioxide, pure	Klordioxid, ren	ClO_2	100	40					D						D		B	D	A	A	D	C	D	D					
Chlorine lye	Klorlut (Blekmedel)		100	20				A							A	A		D			A		C	A					
Chlorine trifluoride	Klortrifluorid		100	20					A						A						D	D	D	D					
Chlorine water	Klorvatten	Cl_2+H_2O	100	20					D				A		D		A	C	A	A	C	B	D				A		A
Chlorine water	Klorvatten	Cl_2+H_2O	100	40					D				A		D		A	D	A	A	D	C	D						
Chlorine water	Klorvatten	Cl_2+H_2O	100	60					D				A		D		B	D	A	A	D		D						
Chlorine, dry	Klor, torr	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	Klor, torr	Cl_2	100	80				D	A	C	B		A		A	B	B		A	A			D	D	A				
Chlorine, humid	Klor, fuktig	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	Klor, fuktig	Cl_2	100	60				D	D	C			A		D	B	B	D	A	A	D	D	D	D	A				
Chlorine, humid	Klor, fuktig	Cl_2	100	80				D	D	C			A		D	B	C	D	A	A	D	D	D	D	A				
Chlorine, humid gas	Klor, fuktig gas	Cl_2	97	20														D	A	A	C	D	D	D	A				
Chlorine, liquid	Klor, flytande	Cl_2	100	20																									
Chloroacetic acid (Monochloracetic acid)	Klorättiksyra (Monoklorättiksyra)	CH_2ClCO_2H	50	20				D	D	D		A	A		D	C	A	B	A	A	B	C	D	D	A	D			
Chloroacetic acid (Monochloracetic acid)	Klorättiksyra (Monoklorättiksyra)	CH_2ClCO_2H	50	40				D	D	D		A	A		D	C	B	B	A	A	D		D	D	A	D			
Chloroacetic acid (Monochloracetic acid)	Klorättiksyra (Monoklorättiksyra)	CH_2ClCO_2H	50	60				D	D	D		A	A		D	C	B	D	B	A	D		D	D		D			
Chloroacetic acid (Monochloracetic acid)	Klorättiksyra (Monoklorättiksyra)	CH_2ClCO_2H	85	20	1.360			D	D	D		A	A		D	D	A	A	A	A			D	D		D	A		A
Chloroacetic acid (Monochloracetic acid)	Klorättiksyra (Monoklorättiksyra)	CH_2ClCO_2H	98	20	1.360			D	D	D		A	A		D	D	A	A	A	A	A		D	D		D	A		A
Chloroacetic acid (Monochloracetic acid)	Klorättiksyra (Monoklorättiksyra)	CH_2ClCO_2H	100	20	1.580			D	D	D		A	A		D	D	A	A	A	A	D	B	D	D		D			
Chloroacetone	Kloraceton	C_3H_5ClO, $CH_2ClCOCH_3$	100	20	1.162			D	D	D					B	D					D	A	D	C					
Chloroacetyl chloride	Kloracetylklorid	$CH_2ClCOCl$	100	20			6.25																						
Chloroamine	Kloramin	NH_2Cl	100	20															D										
Chloroamine T	Kloramin T	$CH_3C_6H_4SO_2NClNa$	100	20					D				A					D	A	A	D		A						A
Chlorobenzene, pure	Klorbensol, ren	C_6H_5Cl	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	Klorbensol, ren	C_6H_5Cl	100	40				A	A	D		B	A		A	A	D	C	A	A		D	D	D		D			
Chlorobenzene, pure	Klorbensol, ren	C_6H_5Cl	100	60				A	A	D		B	A		A	A	D		B	A		D	D	D		D			
Chlorobenzene, pure	Klorbensol, ren	C_6H_5Cl	100	80				A	A	D		B	A		A	A	D		C	A		D	D	D		D			
Chlorobromomethane	Klorbrommetan	$ClCH_2Br$	100	20				D	D	D					A	D				A	D			D					
Chlorobutadiene	Klorbutadien	$CH_2CHCClCH_2$	100	20				D		D					A	A					A	D	D	D					
Chlorocresol	Klorkresol	$C_6H_3ClOHCH_3$	100	20									A		A			D											
Chlorodane	Klorodan	$C_{12}H_8Cl_6$	100	20																									
Chlorodiphenyl (Clophene)	Klordifenyl (Klofen)		100	20					A				A		A			D			A		D						
Chlorododecane	Klordodekan		100	20																	A		D	D					

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Chloroform, (Trichloromethane), pure	Kloroform (Triklormetan), ren	$CHCl_3$	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, (Trichloromethane), pure	Kloroform (Triklormetan), ren	$CHCl_3$	100	40				A	D	D	C		B		A	A	D	D	A	A		D	D	D	A	D			
Chloroform, (Trichloromethane), pure	Kloroform (Triklormetan), ren	$CHCl_3$	100	60				A	D	D	C		B		A	A	D	D	B	A		D	D	D		D			
Chloroform, (Trichloromethane), pure	Kloroform (Triklormetan), ren	$CHCl_3$	100	80				A	D	D	C		B		A	A	D	D	C	A		D	D	D		D			
Chlorohydrin	Klorhydrin	$C_3H_7ClO_2$	100	20	1.320								A		A				A	A							A		
Chloromethane (Methyl chloride)	Klormetan (Metylklorid)	CH_3Cl	100	20																									
Chloromethyl	Klormetyl	CH_3Cl	100	20	0.920				D				A		A			D	A	A	A		D				A		
Chloronaphtalene	Klornaftalin	$C_{10}H_7Cl$	100	20	1.190				A				A		A			D	A		A	D	D	D			A		
Chloronitrobenzene	Klornitrobensol	$C_6H_4NO_2Cl$	50	20														D	A										
Chloronitrobenzene	Klornitrobensol	$C_6H_4NO_2Cl$	100	20	1.370		0.7																						
Chloropicrin	Klorpikrin (Nitrokloroform)	CCl_3NO_2	100	20	1.660		2.7	D		A					A	A					D		D	D					
Chlorosulphonic acid, pure	Klorsulfonsyra (Klorosvavelsyra), ren	$HOClSO_2$, $HClSO_3$	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	Klorsulfonsyra (Klorosvavelsyra), ren	$HOClSO_2$, $HClSO_3$	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	Klorsulfonsyra (Klorosvavelsyra), ren	$HOClSO_2$, $HClSO_3$	100	40				D	D	D	B		B		D	C	D	D	D	A	D	D	D	D	A	D			
Chlorotoluene	Klortoluol (Klortoluen)	$Cl\text{-}C_6H_4\text{-}CH_3$	100	20	1.080				A				A		A			D	A	A	A		D	D			A		
Chlorox (Bleach)	Klorox (Blekmedel)		100	20				A		D			A		A	A	A	D			A	B	B	A					
Chocolate, chocolate syrup	Choklad, chokladsirap		100	20				D		D					A	A					A		A	A					
Chrome alum	Kromalun	$KCr(SO_4)_2$	50	20	1.620				D				A		A		A	A	A	A	A	A	A						
Chrome alum, saturated	Kromalun, mättad	$KCr(SO_4)_2$	100	20					D				A		A		A	A	A	A	A	A	A						
Chrome alum, saturated	Kromalun, mättad	$KCr(SO_4)_2$	100	80					D				A		A				A	A	A	B	B						
Chrome, plating solution	Krom, ytbehandlingslösning		100	20									A		B	C	A	D	A	A	A	C	A	A					
Chrome, plating solution	Krom, ytbehandlingslösning		100	80									A		B	C	B	D	A	A	A	C	A	A					
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	5	20				D	A	D	C	A	A			B	A	A	A	A	A	A	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	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	Kromsyra (Kromtrioxid)	CrO_3	10	40				D	A	D	C		A			C	A	D	A	A	B	C	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	10	60				D	A	D	C		A			C	A	D	A	A	B	D	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	20	20				D	A	D	C		A			C	A	D	A	A	B	B	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	20	40				D	A	D	C		A			C	A	D	A	A	B	D	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	20	80				D	A	D	C		A			C	B	D	A	A	C	D	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	25	20				D	A	D	C		A			C	A	D	A	A	B	B	D	D	A	D	A		A
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	40	20				D	B	D	C		A			C	B	D	A	A	D	D	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	40	40				D	B	D	C		A			C	C	D	A	A	D	D	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	40	60				D	B	D	C		A			C	D	D	A	A	D	D	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	50	20				D	B	D	C	D	A			C	C	D	A	A	D	D	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	50	40				D	B	D	C	D	A			C	D	D	A	A	D	D	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	50	60				D	B	D	C	D	A			C	D	D	B	A	D	D	D	D	A	D			
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	50	80				D	B	D	C	D	A			C	D	D	C	A	D	D	D	D	A	D			

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Chromic acid	Kromsyra (Kromtrioxid)	CrO_3	100	20							C															D			
Chromic acid, powder	Kromsyra (Kromtrioxid), pulver	CrO_3	100	20	2.700						C															D			
Chromic fluoride	Kromfluorid	CrF_3+4H_2O	100	20	3.800																								
Chromium sulphate	Kromsulfat	$Cr(SO_4)_3$	100	20					A				A		A			A	A	A							A		
Cider	Cider		100	20				A		D					A	A	A	A			A		A	A					
Cinnamon oil	Kanelolja		100	20				D		D					A	A								D					
Citric acid	Citronsyra	$C_3H_4(OH)(COOH)_3$, $H_8C_6O_7+H_2O$	10	20				D	B	D	D	A	A		A	A	A	A	A	A	A	A	A	A		A			
Citric acid	Citronsyra	$C_3H_4(OH)(COOH)_3$, $H_8C_6O_7+H_2O$	10	60				D	B	D	D	A	A		A	A	B	B	A	A	A	A	A	A		A			
Citric acid	Citronsyra	$C_3H_4(OH)(COOH)_3$, $H_8C_6O_7+H_2O$	20	20				D	A	D	D	A	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Citric acid	Citronsyra	$C_3H_4(OH)(COOH)_3$, $H_8C_6O_7+H_2O$	50	20	1.220			D	A	D	D	A	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Citric acid	Citronsyra	$C_3H_4(OH)(COOH)_3$, $H_8C_6O_7+H_2O$	100	25	1.550			D	B	D	D	A	A		A	A	A	A	A	A	A	A	A	A		A			
Citric oil	Citronolja, sur		100	20				D		D					A	A		D	A	A	A		D	D					
Clove oil	Kryddnejlikolja		100	20				D		D					A	A							A	C					
Cobalt chloride	Koboltklorid		100	20																		C	A	A					
Cocoa extract	Kakaoextrakt		100	20											A	A		A			A		A	A					
Coconut fat alcohol	Kokosfettalkohol		100	20														A	A	A	A		A						
Coconut oil	Kokosnötolja		100	20	0.93	60		A	B	A					A	A	A	A	A	A	A	B	A	A					
Cod liver oil (Fish liver oil)	Fiskleverolja (Torskleverolja)		100	20	0.980	35		D	A	D			A		A	A		A	A	A	A	A	A	D			A		
Coffee	Kaffe		100	20				D	A		D		A		A	A	A	A			A		A	A					
Coke oven gas	Koksugnsgas		100	20					A						A			C	A	A	A	A	B						
Coke oven gas	Koksugnsgas		100	40					A						A			C	A	A	A	A	C						
Colza oil	Rapsolja		100	20		400		A		A					A	A	A				A		A	C					
Cooking salt (Sodium chloride)	Koksalt (Natriumklorid)		100	20																									
Copper (I) chloride, saturated	Koppar (I) klorid, mättad	CuCl	100	20				D	D	D			D		D	A	A	A	A	A	A	A		D			A		A
Copper (I) cyanide, saturated	Koppar (I) cyanid, mättad	CuCN	100	20	2.920			C	D	D	D	B	A		A	A	A	A	A	A	A	A	A	A					
Copper (I) cyanide, saturated	Koppar (I) cyanid, mättad	CuCN	100	80				C	D	D	D	B	A		A	A		B	A	A	A	A	A	A					
Copper (II) chloride, saturated	Koppar (II) klorid, mättad	$CuCl_2+2H_2O$	10	20	1.090			D	D	D					D	A	A	A	A	A	A	A	A	D		A			
Copper (II) chloride, saturated	Koppar (II) klorid, mättad	$CuCl_2+2H_2O$	20	20	1.210			D	D	D			A		D	A	A	A	A	A	A	A	A	D		A	A		A
Copper (II) chloride, saturated	Koppar (II) klorid, mättad	$CuCl_2+2H_2O$	100	20	3.390			D	D	D					D	A	A	A	A	A	A	A	A	D		A			
Copper (II) cyanide, saturated	Koppar (II) cyanid, mättad	$Cu(CN)_2$	100	20				C	D	D	D	B	A		A	A	A	A	A	A	A	A	A	A					
Copper (II) cyanide, saturated	Koppar (II) cyanid, mättad	$Cu(CN)_2$	100	80				C	D	D	D	B	A		A	A		B	A	A	A	A	A	A					
Copper acetate, saturated	Kopparacetat, mättad	$Cu(C_2H_3O_2)_2$, $(CH_3CO_2)_2Cu$	50	20					D		D		A				A	A	A	A	A	A	A	B		A		A
Copper acetate, saturated	Kopparacetat, mättad	$Cu(C_2H_3O_2)_2$, $(CH_3CO_2)_2Cu$	100	20					D		D				D		A	A	A	A	A	A	A	B					
Copper arsenide	Koppararsenid	Cu_3As	100	20														A	A										
Copper borofluoride	Kopparborfluorid	$CuBF_6+4H_2O$	100	20				D		D		B	B		D	A	A	A	A	A	A	A	A	A					
Copper carbonate, saturated	Kopparkarbonat, mättad		100	20													A	A	A	A									
Copper fluoborate	Kopparfluorborat	$CuBF_6+4H_2O$	100	20				D		D		B	B		D	A					A		B	A					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Copper fluoride, saturated	Kopparfluorid, mättad		100	20													A	A	A	A									
Copper fluoride, saturated	Kopparfluorid, mättad		100	60													B	B	A	A									
Copper nitrate	Kopparnitrat	$Cu(NO_3)_2+6H_2O$	25	20	1.250							D	A		A	A	A	A	A	A	A	A	D	A			A		
Copper nitrate	Kopparnitrat	$Cu(NO_3)_2+6H_2O$	100	20	2.070			D	D		D	D	A		A	A	A	A	A	A	A	A	A	A					
Copper nitrate	Kopparnitrat	$Cu(NO_3)_2+6H_2O$	100	60				D	D		D	D	A		A	A	B	A	A	A	A	A	A	A					
Copper nitrate	Kopparnitrat	$Cu(NO_3)_2+6H_2O$	100	80				D	D		D	D	A		A	A		B	A	A	A	A	B	A					
Copper salts	Kopparsalter		100	20																									
Copper sulphate, saturated	Kopparsulfat, mättad	$CuSO_4+5H_2O$	10	20	1.160			C	D	D	D				A	A	A	A	A	A	A	A	A	A		A			
Copper sulphate, saturated	Kopparsulfat, mättad	$CuSO_4+5H_2O$	18	20	1.210			C	D	D	D				A	A	A	A	A	A	A	A	A	A		A	A		A
Copper sulphate, saturated	Kopparsulfat, mättad	$CuSO_4+5H_2O$	100	20	3.610			C	D	D	D				A	A	A	A	A	A	A	A	A	A		A	A		A
Copper, plating solution	Koppar, ytbehandlingslösning		100	20								A			A	A	A	A	A	A	A	A	A	B					
Corn oil	Majsolja		100	20	0.920			C	A	A					A	A	A	A	A	A	A	B	A	D		A			
Corn syrup	Majssirap		100	20	1.4	10700											A	A	A	A	A	A	A						
Corn syrup	Majssirap		100	80															A	A	A	A	B						
Cottonseed oil	Bomullsfröolja		100	20				A	A	A					A	A	A	A	A	A	A	A	A	D		A			
Cottonseed oil	Bomullsfröolja		100	40	0.92	20		A	A	A					A	A	A	A	A	A	A	B	A	D		A			
Cottonseed oil	Bomullsfröolja		100	80				A	A	A					A	A	A	B	A	A	B	C	A	D		A			
Cream	Grädde		100	20				D		D					A	A	A	A			A		A	C					
Creosote	Kreosot		100	20		20-55											D			A	A	D	A			A		
Creosote oil	Kreosotolja		100	20				A	B	A	B				A	A	D	A	A	A	A	D	A	D		D			
Cresol, pure	Kresol, ren	$C_6H_4OHCH_3$, $C_6H_4(CH_3)OH$	90	20	1.047	4-20	0.03	C	A	C					A	A	D	A	A	A	A	D	D	D			A		A
Cresol, pure	Kresol, ren	$C_6H_4OHCH_3$, $C_6H_4(CH_3)OH$	100	20	1.040			C	A	C					A	A	D	C	A	A	A	D	D	D			A		A
Cresol, pure	Kresol, ren	$C_6H_4OHCH_3$, $C_6H_4(CH_3)OH$	100	60			0.22	C	A	C					A	A	D		B	A	B	D	D	D			A		
Cresyldiphenyl phosphate	Kresyldifenolfosfat		100	20																									
Cresylic acid	Kresylsyra	$CH_3C_6H_4OH$	100	20	1.040			C	B	C		B	B		A	A	A			A	A	D	D	D					
Croton acid	Krotonsyra	$CH_3CH=CHCOOH$	100	20	1.020		0.03																						
Crotonaldehyde, pure	Krotonaldehyd, ren	$CH_3CH=CHCHO$	100	20	0.853		34.3		A				A		A			A	A	A	A	B	C				A		
Crotonaldehyde, pure	Krotonaldehyd, ren	$CH_3CH=CHCHO$	100	60					A				A		A			A	B	A									
Crude oil	Råolja		100	20					A						A		A		A	A	A	D	B	D					
Crude oil	Råolja		100	60					A						A		B		A	A		D		D					
Cryolite	Kryolit	Na_3AlF_6	100	20													B	A	A	A									
Cryolite	Kryolit	Na_3AlF_6	100	60													C	A	A	A									
Cumene (Isoprypyl benzene)	Kumen (Isopropylbensen)	$C_6H_5CH(CH_3)_2$, C_9H_{12}	100	20	0.862	1	1.3		B						B						A	D		D					
Cumene hydroperoxide	Kumolhydroperoxid	$C_6H_5C(CH_3)_2OOH$	100	20	1.060																								
Cupric (II) sulphate, saturated	Koppar (II) sulfat, mättad		100	20													A	A	A	A	A	A	A						
Cupric fluoride, saturated	Koppar (II) fluorid, mättad		100	20													A	A	A	A	A	A	A						
Cupric fluoride, saturated	Koppar (II) fluorid, mättad		100	80														B	A	A									

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Cutting oil	Skärolja		100	20						A					A	A					A		A	D					
Cutting oil containing sulfur	Skärolja svavelhaltig		100	20						A					A	A					A		A	C					
Cutting oil water soluble	Skärolja vattenlöslig		100	20				A		A					A	A					A			D					
Cyanbromide	Bromcyan (Cyanbromid)	BrCN	100	20	2.020		12.2																						
Cyanic acid	Cyansyra	CNOH	100	20				D		D					A	A							C	D					
Cyanoacetic acid	Cyanättiksyra	CH_2CNCO_2H, $CNCH_2COOH$	100	20											A			A	A	A						A		
Cyanogen	Cyan	$(CN)_2$	100	20																									
Cyclohexane, pure	Cyklohexan (Hexametylen), ren	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	Cyklohexan (Hexametylen), ren	C_6H_{12}, $(CH_2)_6$	100	40				A	A	A			A		A	A	D	D	A	A	A	D		D	A				
Cyclohexanol, pure	Cyklohexanol (Hexahydrofenol), ren	$C_6H_{11}OH$, $C_6H_{12}O$	100	20	0.960	70	0.1		C				A		A	A	D	A	A	A	A	B	C	A			A		
Cyclohexanol, pure	Cyklohexanol (Hexahydrofenol), ren	$C_6H_{11}OH$, $C_6H_{12}O$	100	40					C				A		A	A	D	B	A	A	A			A					
Cyclohexanol, pure	Cyklohexanol (Hexahydrofenol), ren	$C_6H_{11}OH$, $C_6H_{12}O$	100	60					C				A		A	A	D	C	A	A				A					
Cyclohexanol, pure	Cyklohexanol (Hexahydrofenol), ren	$C_6H_{11}OH$, $C_6H_{12}O$	100	80					C				A		A	A	D	D	A	A				A					
Cyclohexanone (Anon), pure	Cyklohexanon (Anon), ren	$C_6H_{10}O$, $(CH_2)_5CO$	100	20	0.950	5	0.5		A				A		A	B	D	B	B	A	D	C	D	D	A		A		
Cyclohexanone (Anon), pure	Cyklohexanon (Anon), ren	$C_6H_{10}O$, $(CH_2)_5CO$	100	40					A				A		A	B	D	C	C	A	D		D	D	A				
Cyclohexanone (Anon), pure	Cyklohexanon (Anon), ren	$C_6H_{10}O$, $(CH_2)_5CO$	100	60					A				A		A	B	D	D	C	A	D		D	D	A				
Cyclohexanone (Anon), pure	Cyklohexanon (Anon), ren	$C_6H_{10}O$, $(CH_2)_5CO$	100	80					A				A		A	B	D	D	D	A	D		D	D	A				
Cyclohexene	Cyklohexen	C_6H_{10}	100	20	0.810																					C			
Cyclohexylamine	Cyklohexylamin	$C_6H_{11}NH_2$	100	20	0.860		1.4																						
Cyclopentane	Cyklopentan (Pentametylen)	C_5H_{10}	100	20	0.745	0.6	34.7																						
Cyclopropane	Cyklopropan	C_3H_6	100	20																									
Decaborane	Dekaboran	$B_{10}H_{14}$	100	20	0.940																								
Decalin (Decahydronaphthalene), pure	Dekalin (Dekahydronaftalin), ren	$C_{10}H_{18}$	100	20	0.880				A									C	A	A	A	D	D	D			A		
Decane (Capric acid), pure	Dekan (Kaprinsyra), ren	$CH_3(CH_2)_8CO_2H$	100	20															A	A	A	D	D	D					
Denatured alcohol	Denaturerad alkohol (Rödsprit)		100	20					A						A				A	A	A	A	A	A					
Densodrin W	Densodrin W		100	20															A				A						
Detergent solutions	Tvättlösningar		100	20											A			A	A	A	A	A	A	A					
Detergents, synthetic	Tvättmedel, syntetiskt		100	20					A		B				A			A	A	A	A	A	A	A					
Dextrin, saturated	Dextrin, mättad	$(C_6H_{10}O_5)$-n	100	20					A				A		A		A	A	A	A	A	A	A				A		
Dextrin, saturated	Dextrin, mättad	$(C_6H_{10}O_5)$-n	100	80					A				A		A		A	A	A	A	A	A	B						
Dextrose	Dextros (Stärkelsesirap)	$C_6H_{12}O_6$	100	20					A		B				A		A	A	A	A	A	A	A			C			
Dextrose	Dextros (Stärkelsesirap)	$C_6H_{12}O_6$	100	80					A		B				A		A	A	A	A	A	A	B			C			
Diacetone alcohol, pure	Diacetonalkohol, ren	$(CH_3)_2COHCH_2COCH_3$	100	20	0.940		0.1	A	A	A		A	A		A	A		A	A	A	D	A	D	A		C			
Diacetone alcohol, pure	Diacetonalkohol, ren	$(CH_3)_2COHCH_2COCH_3$	100	40				A	A	A		A	A		A	A		A	B	A	D		D	A		C			
Diacetone alcohol, pure	Diacetonalkohol, ren	$(CH_3)_2COHCH_2COCH_3$	100	60				A	A	A		A	A		A	A			C	A	D		D	A		C			
Diacetone alcohol, pure	Diacetonalkohol, ren	$(CH_3)_2COHCH_2COCH_3$	100	80				A	A	A		A	A		A	A			D	A	D		D	A		C			
Diacetone, pure	Diaceton, ren	$(CH_3)_2C(OH)CH_2COCH_3$	100	20	0.930		0.1		A						A				D	A	D	B	A						

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Diamylamine	Diamylamin	$(C_5H_{11})_2NH$	100	20	0.780																								
Diazo salt solution	Diazosaltlösning		100	20					D						A			A		A							A		
Dibenzyl ether, pure	Dibensyleter, ren	$(C_6H_5CH_2)_2O$	100	20				D	B	D					A	A			A	A		C	D	D					
Dibenzyl ether, pure	Dibensyleter, ren	$(C_6H_5CH_2)_2O$	100	40				D	B	D					A	A			B	A			D	D					
Dibenzyl ether, pure	Dibensyleter, ren	$(C_6H_5CH_2)_2O$	100	60				D	B	D					A	A			C	A			D	D					
Dibenzyl ether, pure	Dibensyleter, ren	$(C_6H_5CH_2)_2O$	100	80				D	B	D					A	A			D	A			D	D					
Dibenzyl sebecate	Dibensylsebekat		100	20																	B	C		D		A			
Diborane	Diboran (Diborhexahydrid)	B_2H_6	100	20	0.460																								
Dibutyl amine, pure	Dibutylamin, ren		100	20															A	A	D	D	D	D					
Dibutyl amine, pure	Dibutylamin, ren		100	40															C	A	D	D	D	D					
Dibutyl amine, pure	Dibutylamin, ren		100	60															D	A	D	D	D	D					
Dibutyl aniline	Dibutylanilin	$C_6H_5N(C_4H_9)_2$	100	20	0.940																								
Dibutyl ether, pure	Dibutyleter, ren	$C_8H_{18}O$, $CH_3(CH_2)_3O(CH_2)_3CH_3$	100	20	0.770			D	B	D					A	A		D	A	A	D	D	B	D					
Dibutyl ether, pure	Dibutyleter, ren	$C_8H_{18}O$, $CH_3(CH_2)_3O(CH_2)_3CH_3$	100	40				D	B	D					A	A		D	B	A	D	D		D					
Dibutyl ether, pure	Dibutyleter, ren	$C_8H_{18}O$, $CH_3(CH_2)_3O(CH_2)_3CH_3$	100	60				D	B	D					A	A		D	C	A	D	D		D					
Dibutyl ether, pure	Dibutyleter, ren	$C_8H_{18}O$, $CH_3(CH_2)_3O(CH_2)_3CH_3$	100	80				D	B	D					A	A		D	D	A	D	D		D					
Dibutyl peroxide	Dibutylperoxid	$(CH_3)_3COOC(CH_3)_3$	100	20	0.790		2.6																						
Dibutyl phthalate, pure	Dibutylftalat, ren	$C_6H_4(CO_2C_4H_9)_2$	100	20	1.050				A				A		A			A	A	A	B	A	D	D		A	A		
Dibutyl phthalate, pure	Dibutylftalat, ren	$C_6H_4(CO_2C_4H_9)_2$	100	40					A				A		A			A	B	A		A	D	D		A			
Dibutyl phthalate, pure	Dibutylftalat, ren	$C_6H_4(CO_2C_4H_9)_2$	100	60					A				A		A			A	C	A			D	D		A			
Dibutyl phthalate, pure	Dibutylftalat, ren	$C_6H_4(CO_2C_4H_9)_2$	100	80					A				A		A			A	D	A			D	D		A			
Dibutyl sebacate	Dibutylsebacat	$C_8H_{16}(COOC_4H_9)_2$	100	20											A			A	A	A	C	B	D	D		A			
Dibutyl sebacate	Dibutylsebacat	$C_8H_{16}(COOC_4H_9)_2$	100	40											A			A	B	A			D	D					
Dibutyl sebacate	Dibutylsebacat	$C_8H_{16}(COOC_4H_9)_2$	100	60											A			A	C	A			D	D					
Dibutyl sebacate	Dibutylsebacat	$C_8H_{16}(COOC_4H_9)_2$	100	80											A			A	D	A			D	D					
Dichlordifluormethane (Freon 12)	Diklordifluormetan (Freon 12)	CCl_2F_2	100	20	1.320																								
Dichlorethane (Ethylene chloride)	Dikloretan (Etylenklorid)	CH_2Cl-CH_2Cl	100	20	1.180		31.2																						
Dichloroacetic acid	Diklorättiksyra	$CHCl_2CO_2H$, $CHCl_2$-COOH	50	20														A	A	A	D		D						
Dichloroacetic acid	Diklorättiksyra	$CHCl_2CO_2H$, $CHCl_2$-COOH	100	20	1.560													A	A	A	D		D						
Dichloroacetic acid methyl ester	Diklorättiksyrametylester	$Cl_2CHOOCH_3$	100	20														A	A	A	D		D						
Dichloroaniline	Dikloranilin	$NH_2C_6H_3Cl_2$	100	20																									
Dichlorobenzene, pure	Diklorbensol, ren	$C_6H_4Cl_2$	100	20	1.320				B						B	A		D	A	A	B	D	D	D	A	D	A		
Dichlorobenzene, pure	Diklorbensol, ren	$C_6H_4Cl_2$	100	80					B						B	A		D	B	A		D	D	D	A	D			
Dichlorobenzene-O, -P	Diklorbensol-O, -P	$C_6H_4Cl_2$	100	20	1.310				B						B	A		D	A	A	B	D	D	D	A	D	A		
Dichlorobenzene-O, -P	Diklorbensol-O, -P	$C_6H_4Cl_2$	100	80					B						B	A		D	B	A		D	D	D	A	D			
Dichloroethylene	Dikloretylen	CH_2CCl_2, $C_2H_2Cl_2$	100	20	1.220		32		B		B		A					A	A	A	A	D	D	D			A		
Dichlorohydrine	Diklorhydrin	$(CH_2Cl)_2CHOH$	100	25	1.360																								

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Dichloroisopropylether, pure	Diklorisopropyleter, ren		100	20															A		C		D	D					
Dichloroisopropylether, pure	Diklorisopropyleter, ren		100	40															B		C		D	D					
Dichloroisopropylether, pure	Diklorisopropyleter, ren		100	60															C		C		D	D					
Dichloroisopropylether, pure	Diklorisopropyleter, ren		100	80															D		C		D	D					
Dichlorophenolacetic acid	Diklorfenoxiättiksyra	$Cl_2C_6H_3OCH_2COOH$	100	20																									
Dichloropropene	Diklorpropen	$CHClCHCH_2Cl$	100	20	1.230		4																						
Dicyclohexylamine	Dicyklohexylamin		100	20																		D	C						
Diesel oil	Dieselolja		100	25	0.830	5		A	A	A					A	A		A	A	A	A	D	B	D			A		
Diethanolamine	Dietanolamin	$HN(CH_2CH_2OH)_2$, $(HOC_2H_4)_2NH$	100	20	1.100	80-180			A						A			A	A	A	D		D				A		
Diethyl aluminiumchloride	Dietylaluminiumklorid	$(C_2H_5)_2AlCl$	100	20	0.970																								
Diethyl amine, pure	Dietylamin (Dietamin), ren	$(C_2H_5)_2NH$, $HN(C_2H_5)_2$	100	20	0.710	0.5	25.3	A	C						A	A	D	A	B	A	D	A	D	C	A		A		
Diethyl amine, pure	Dietylamin (Dietamin), ren	$(C_2H_5)_2NH$, $HN(C_2H_5)_2$	100	40				A	C						A	A	D	B	C	A	D		D	C	A				
Diethyl amine, pure	Dietylamin (Dietamin), ren	$(C_2H_5)_2NH$, $HN(C_2H_5)_2$	100	60				A	C						A	A	D		D	A	D		D	C					
Diethyl benzene-1,2	Dietylbensol-1,2	$C_6H_4(C_2H_5)_2$	100	20	0.860		0.1													A	A	D	D	D					
Diethyl benzene-1,3	Dietylbensol-1,3	$C_6H_4(C_2H_5)_2$	100	20	0.860		0.1													A	A	D	D	D					
Diethyl benzene-1,4	Dietylbensol-1,4	$C_6H_4(C_2H_5)_2$	100	20	0.860		0.1													A	A	D	D	D					
Diethyl carbonate	Dietylkarbonat	$(C_2H_5O)_2CO$	100	20	0.980																								
Diethyl ether, pure	Dietyleter (Etyleter, Eter), ren	$(C_2H_5)_2O$, $C_2H_5OC_2H_5$	100	20	0.710	1	59	A	B				B		A	A	D	C	A	A	C	C	C	D	C		A		
Diethyl ether, pure	Dietyleter (Etyleter, Eter), ren	$(C_2H_5)_2O$, $C_2H_5OC_2H_5$	100	40				A	B				B		A	A	D	D	B	A				D	C				
Diethyl sebecate	Dietylsebekat		100	20					A						A						B	C	D	D		A			
Diethyl sulphate	Dietylsulfat	$SO_2(OC_2H_5)_2$	100	20	1.180																								
Diethylene glycol	Dietylenglykol	$O(CH_2CH_2OH)_2$	100	20	1.120			A	A	A					A	A				A	A	A	A	A	A	A			
Diethylene triamine	Dietylentriamin	$NH_2CH_2CH_2NHCH_2CH_2NH_2$	100	20	0.960		0.05												A										
Diethylene triamine	Dietylentriamin	$NH_2CH_2CH_2NHCH_2CH_2NH_2$	100	40															B										
Diethylene triamine	Dietylentriamin	$NH_2CH_2CH_2NHCH_2CH_2NH_2$	100	60															C										
Diethylene triamine	Dietylentriamin	$NH_2CH_2CH_2NHCH_2CH_2NH_2$	100	80															D										
Diglycolic acid	Diglykolsyra	$(CO_2HCH_2)_2O$	30	20					A				A		A			A	A	A	A	A	D				A		
Diglycolic acid, saturated	Diglykolsyra, mättad	$(CO_2HCH_2)_2O$	100	20														A	A	A	A	A	A						
Diisobutyl ketone, pure	Diisobutylketon, ren	$C_9H_{18}O$	100	20														A	A	A	D	D	B	D	A				
Diisobutyl ketone, pure	Diisobutylketon, ren	$C_9H_{18}O$	100	40														A	B	A	D	D		D	A				
Diisobutyl ketone, pure	Diisobutylketon, ren	$C_9H_{18}O$	100	80														A	C	A	D	D		D					
Diisobutylene (Octene), pure	Diisobutylen (Okten), ren	$(CH_3)_3C=CH_2-C(CH_3)=CH_2$, C_8H_{16}	100	15	0.720				B						B				A	A	A	D	A	C					
Diisobutylene (Octene), pure	Diisobutylen (Okten), ren	$(CH_3)_3C=CH_2-C(CH_3)=CH_2$, C_8H_{16}	100	20					B						B				A	A	A	D	A	C					
Diisobutylene (Octene), pure	Diisobutylen (Okten), ren	$(CH_3)_3C=CH_2-C(CH_3)=CH_2$, C_8H_{16}	100	80					B						B				B	A		D		C					
Diisopropyl amine	Diisopropylamin	$[(CH_3)_2CH]_2NH$	100	20	0.718		9.3																						
Diisopropyl benzene	Diisopropylbensol	$[(CH_3)_2CH_2]_2C_6H_4$	100	25	0.860																A	D	D	D					
Diisopropyl ketone, pure	Diisopropylketon, ren	$(CH_3)_2CHCOCH(CH_3)_2$	100	20											A	A			B	A	D	B	D	D					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Diisopropyl ketone, pure	Diisopropylketon, ren	$(CH_3)_2CHCOCH(CH_3)_2$	100	40											A	A			D		D		D	D					
Diisopropyl peroxydicarbonate	Diisopropylperoxidikarbonat	$(CH_3)_2CHOCOOCOOCH(CH_3)_2$	100	20	1.080																								
Dimethyl amine, aqueous	Dimetylamin, utspädd, vattenhaltig	$(CH_3)_2NH+H_2O$	40	25	0.890		28.6																						
Dimethyl amine, pure	Dimetylamin, ren	$(CH_3)_2NH$	100	20	0.650		171										D	A	B	A	D	A	D						
Dimethyl amine, pure	Dimetylamin, ren	$(CH_3)_2NH$	100	40													D	B	C	A	D		D						
Dimethyl amine, pure	Dimetylamin, ren	$(CH_3)_2NH$	100	60													D		D	A	D		D						
Dimethyl aniline, pure	Dimetylanilin, ren	$C_8H_{11}N$	100	20	0.957														B		D	D	D	D					
Dimethyl aniline, pure	Dimetylanilin, ren	$C_8H_{11}N$	100	40															C		D	D	D	D					
Dimethyl aniline, pure	Dimetylanilin, ren	$C_8H_{11}N$	100	60															D		D	D	D	D					
Dimethyl ethanolamine	Dimetyletanolamin	$(CH_3)_2NC_2H_4OH$	100	20	0.890		0.6																						
Dimethyl ether	Dimetyleter	CH_3OCH_3	100	20	0.670		510		A				A		A			D		A	A		D				A		A
Dimethyl formamide, pure	Dimetylformamid, ren	$HCON(CH_3)_2$, $(CH_3)_2NCHO$	100	20	0.950	10	0.35		A						A		D	A	D	A	D	B	D	C	A	A	A		
Dimethyl hydrazineunsymmetrical	Dimetylhydrasinunsymmetrikal	$(CH_3)_2NNH_2$	100	25	0.780		20.9																						
Dimethyl phthalate	Dimetylftalat		100	20					A						A				B	A	B	B	D	D					
Dimethyl phthalate	Dimetylftalat		100	40					A						A				C	A			D	D					
Dimethyl phthalate	Dimetylftalat		100	60					A						A				D				D	D					
Dimethyl sulfoxide	Dimetylsulfoxid	$(CH_3)_2SO$, (C_2H_6SO)	100	20	1.100																								
Dimethyl sulphate	Dimetylsulfat	$(CH_3)_2SO_4$, $(CH_3O)_2SO_2$	100	20	1.330																								
Dinitroaniline	Dinitroanilin	$(NO_2)_2C_6H_3NH_2$	100	20	1.610		1.3																						
Dinitrobenzene	Dinitrobensen	$C_6H_4(NO_2)_2$	100	20	1.575		0.02																						
Dinitrochlorobenzene	Dinitroklorbensen	$C_6H_3(NO_2)_2Cl$	100	20	1.680																								
Dinitrotoluene	Dinitrotoluen	$CH_3C_6H_3(NO_2)_2$, $(NO_2)_2C_6H_3CH_3$	100	20	1.520										A	A					C	D	D	D					
Dinonyl phtalate	Dinonylftalat	$C_6H_4(COOC_9H_{19})_2$	100	20														A		A	D		D						
Dioctyl phthalate	Dioktylftalat	$C_6H_4(COOC_8H_{17})_2$	100	20	0.980				A						A			A	A	A	A	A	B	D		A			
Dioctyl phthalate	Dioktylftalat	$C_6H_4(COOC_8H_{17})_2$	100	40					A						A			A	B	A				D					
Dioctyl phthalate	Dioktylftalat	$C_6H_4(COOC_8H_{17})_2$	100	60					A						A			A	C	A				D					
Dioctyl phthalate	Dioktylftalat	$C_6H_4(COOC_8H_{17})_2$	100	80					A						A				D	A				D					
Dioctyl sebacate	Dioktylsebakat		100	20												A					C	C	D	D					
Dioxane (Diethylene dioxide), pure	Dioxan (Dietylendioxid), ren	$O(C_2H_4)_2O$, $O_2(CH_2)_4$	100	20	1.030		4.1		B				A		A			B	C	A	D	D	D	D	A		A		
Dioxane (Diethylene dioxide), pure	Dioxan (Dietylendioxid), ren	$O(C_2H_4)_2O$, $O_2(CH_2)_4$	100	40					B				A		A			C	C	A	D	D	D	D					
Dioxane (Diethylene dioxide), pure	Dioxan (Dietylendioxid), ren	$O(C_2H_4)_2O$, $O_2(CH_2)_4$	100	60					B				A		A				D	A	D	D	D	D					
Dioxolane	Dioxolan		100	20															D		D	D	D						
Dipentene (Limonene)	Dipenten (Limonen)	$C_{10}H_{16}$	100	25	0.850				A						A					A	A	D	B						
Diphenyl	Difenyl	$(C_6H_5)_2$, $C_{12}H_{10}$	100	20	1.040				A				A		A				A	A	A	D	D			A			
Diphenyl amine	Difenylamin	$(C_6H_5)_2NH$	100	20				A							A	A					D	B	B						
Diphenyl ether	Difenyleter	C_6H_5-O-C_6H_5	100	20					A						A					A									
Diphenyl oxide, saturated	Difenyloxid, mättad	$(C_6H_5)_2O$	100	20				A	A	A			A		A	A				A	A	D	D	D			A		

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Diphenylen oxide	Difenylenoxid	$C_{12}H_8O$, $C_6H_4OC_6H_4$	100	20	1.070		0.03																						
Disodium phosphate	Dinatriumfosfat		100	20													A		A	A									
Distillery wort	Brännerivört		100	20				A		C					A	A								A					
Dowtherm oil	Dowtermolja		100	20					C						A					A	A	D	D	D					
Dry cleaning fluid	Torrengöringsvätska		100	20					A						A					A	A		C	D					
Endrine	Endrin	$C_{12}H_8OCl_6$	100	20																									
Epichlorohydrin, pure	Epiklorhydrin, ren	OCH_2CHCH_2Cl	100	20	1.180	1	1.7		A						A	A	D	A	C	A	D	D	D	D		D			
Epichlorohydrin, pure	Epiklorhydrin, ren	OCH_2CHCH_2Cl	100	40					A						A	A	D	A	D	A	D	D	D	D		D			
Epsom salt (Magnesium salt), saturated	Bittersalt (Magnesiumsalt), mättad	$MgSO_4+7H_2O$	100	20	1.280			A				A	B		A	A	A		A	A	A	A	A	A					
Esters	Estrar		100	20															A	A									
Esters	Estrar		100	40															B	A									
Esters	Estrar		100	60															C	A									
Esters	Estrar		100	80															D	A									
Ethane	Etan	C_2H_6, CH_3CH_3	100	20					A		C	A			A	A			A	A	A	D	A	D					
Ethanol (Ethyl alcohol), pure	Etanol (Etylalkohol), ren	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			
Ethanol (Ethyl alcohol), pure	Etanol (Etylalkohol), ren	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	Etanol (Etylalkohol), ren	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	Etanol (Etylalkohol), ren	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	Etanol (Etylalkohol), ren	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	Etanol (Etylalkohol), ren	C_2H_5OH	100	80				A	B	A	B	A	A		A	A	C	B	A	A	A	A	B	A	A	A			
Ethanolamine, pure	Etanolamin, ren	$NH_2CH_2CH_2OH$	100	20	1.020	100-200			A						A	A	D	A	D	A	D	A	A	B	A				
Ether (Ethyl ether), pure	Eter (Etyleter), ren	$C_2H_5OC_2H_5$, $(C_2H_5)_2O$	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	Eter (Etyleter), ren	$C_2H_5OC_2H_5$, $(C_2H_5)_2O$	100	40				A	A	C	C		A		A	A	D	C	B	A				D	C	D			
Ether (Ethyl ether), pure	Eter (Etyleter), ren	$C_2H_5OC_2H_5$, $(C_2H_5)_2O$	100	60				A	A	C	C		A		A	A	D	D		A				D		D			
Ether diethylene	Eterdietylen	C_2H_4O	100	20	0.870		150																						
Etheral oils	Eterisk olja		100	20					A				A		A			B		A	A		D						A
Ethyl acetate, pure	Etylacetat (Ättiksyraetylester), ren	$CH_3COOC_2H_5$, $CH_3COOCH_2CH_3$	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	Etylacetat (Ättiksyraetylester), ren	$CH_3COOC_2H_5$, $CH_3COOCH_2CH_3$	100	40				A	A	A	C		B		A	A	D	B	B	A	D		D	D	A				
Ethyl acetate, pure	Etylacetat (Ättiksyraetylester), ren	$CH_3COOC_2H_5$, $CH_3COOCH_2CH_3$	100	60				A	A	A	C		B		A	A	D	C	C	A	D		D	D	A				
Ethyl acetate, pure	Etylacetat (Ättiksyraetylester), ren	$CH_3COOC_2H_5$, $CH_3COOCH_2CH_3$	100	80				A	A	A	C		B		A	A	D		D	A	D		D	D					
Ethyl acetoacetate, pure	Etylacetoacetat, ren	$CH_3COCH_2COOC_2H_5$	100	20	1.030				A										A	A	D	A	D	C					
Ethyl acetoacetate, pure	Etylacetoacetat, ren	$CH_3COCH_2COOC_2H_5$	100	40					A										B	A	D	A	D	C					
Ethyl acetoacetate, pure	Etylacetoacetat, ren	$CH_3COCH_2COOC_2H_5$	100	60					A										C	A	D		D	C					
Ethyl acetoacetate, pure	Etylacetoacetat, ren	$CH_3COCH_2COOC_2H_5$	100	80					A										D	A	D		D	C					
Ethyl acrylate, pure	Etylakrylat, ren	$CH_2=CHCOOC_2H_5$, $C_5H_8O_2$	100	20	0.920	11	3.9		A		C				A	A			A	A	D	B	D	D					
Ethyl acrylate, pure	Etylakrylat, ren	$CH_2=CHCOOC_2H_5$, $C_5H_8O_2$	100	40					A		C				A	A			B	A	D		D	D					
Ethyl acrylate, pure	Etylakrylat, ren	$CH_2=CHCOOC_2H_5$, $C_5H_8O_2$	100	60					A		C				A	A			C	A	D		D	D					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Ethyl acrylate, pure	Etylakrylat, ren	CH_2=$CHCOOC_2H_5$, $C_5H_8O_2$	100	80					A		C				A	A			D	A	D		D	D					
Ethyl amine	Etylamin (Aminoetan)	$C_2H_5NH_2$, CH_3-CH_2-NH_2	100	20	0.689		120																				A		
Ethyl aniline	Etylanilin	$C_2H_5HH(C_5H_5)$	100	20	0.960																								
Ethyl benzene	Etylbensol	$C_6H_5C_2H_5$	100	20	0.870		0.9		A				A		B			D	A	A	A	D	C	D			A		A
Ethyl benzoate	Etylbensoat		100	20					A						A					A	A	C							
Ethyl bromide	Etylbromid (Brometan)	CH_3-CH_2-Br	100	20	1.460		53																						
Ethyl carbinol	Etylkarbinol (1-Propanol)	$CH_3CH_2CH_2OH$, C_3H_7OH	100	20	0.803	3	2.8																						
Ethyl cellulose	Etylcellulosa		100	20					B						B					A	D	B		B					
Ethyl chloride	Etylklorid (Kloretan)	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	Etylklorid (Kloretan)	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	Etylklorid (Kloretan)	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	Etylklorkarbonat	$ClCOOC_2H_5$	100	20	1.140		5.5													A	A			C					
Ethyl chloroformate	Etylklorformiat	$ClCOOC_2H_5$	100	20	1.140		5.5													A	D	B	D	C					
Ethyl diglycol	Etyldiglykol	$HO(CH_2)_4O_2C_2H_5$	100	20	0.990		0.02																						
Ethyl formate, pure	Etylformiat, ren	$HCO_2C_2H_5$	100	20	0.920		25.6		C						B					A	A	C	D	B					
Ethyl hexaldehyde	Etylhexaldehyd	$C_4H_9CH(C_2H_5)CHO$	100	20	0.900		0.1																						
Ethyl hexanol	Etylhexanol	$C_4H_9CH(C_2H_5)CH_2OH$, $C_8H_{18}O$	100	20	0.830														A	A			D						
Ethyl hexylamine	Etylhexylamin	$C_4H_9CH(C_2H_5)CH_2NH_2$	100	20	0.790																								
Ethyl mercaptan, pure	Etylmerkaptan, ren	C_2H_5SH	100	20	0.840				B						B				A	A	A	A	D						
Ethyl mercaptan, pure	Etylmerkaptan, ren	C_2H_5SH	100	50			177		B						B					A	A		D						
Ethyl methyl ether	Etylmetyleter	$CH_3OC_2H_5$	100	20																A					A				
Ethyl nitrite	Etylnitrit	C_2H_5ONO	100	20																									
Ethyl oxalate	Etyloxalat		100	20					A											A	D	A	D	C					
Ethyl pentachlorobenzene	Etylpentaklorbensol		100	20																A	A		C	D					
Ethyl silicate	Etylsilikat (Tetraetoxysilan)	$(OC_2H_5)_4Si$	100	20	0.935		0.27		B						A					A	A	A	A	A					
Ethyl sulphate	Etylsulfat	$(C_2H_5)_2SO_4$	100	20	1.180										D	A					A		A						
Ethyl sulphuric acid	Etylsvavelsyra	$C_2H_5OSO_3H$	100	20	1.320				D				A						A								A		A
Ethyl trichlorosilane	Etyltriklorsilan	$C_2H_5SiCl_3$	100	15	1.240		2.7																						
Ethylene (Ethene)	Etylen (Eten)	C_2H_4, CH_2=CH_2	100	20	0.410				A						A				A	A	A	C	A						
Ethylene bromide, pure	Etylenbromid, ren	$C_2H_4Br_2$, CH_2BrCH_2Br	100	20	2.180		1.2		A		B		A		A			D	A	A	C	B	D	D	A		A		A
Ethylene chloride (Dichlorethane)	Etylenklorid (Dikloretan)	CH_2ClCH_2Cl	100	20	1.260			A	C			B	B		A	A		B	A	A	A	D	D	D			A		A
Ethylene chloride (Dichlorethane)	Etylenklorid (Dikloretan)	CH_2ClCH_2Cl	100	30			8.7	A	C			B	B		A	A		D	A	A		D	D	D			A		
Ethylene chloride (Dichlorethane)	Etylenklorid (Dikloretan)	CH_2ClCH_2Cl	100	40				A	C			B	B		A	A		D	A	A		D	D	D			A		
Ethylene chlorohydrin, pure	Etylenklorhydrin, ren	CH_2OHCH_2Cl	100	20	1.210		0.65		A				A		A			A	A	A	D	A	D	B	C		A		A
Ethylene chlorohydrin, pure	Etylenklorhydrin, ren	CH_2OHCH_2Cl	100	40					A				A		A				B	A	D		D	B	C				
Ethylene chlorohydrin, pure	Etylenklorhydrin, ren	CH_2OHCH_2Cl	100	60					A				A		A				C	A	D		D	B					
Ethylene chlorohydrin, pure	Etylenklorhydrin, ren	CH_2OHCH_2Cl	100	80					A				A		A				D	A	D		D	B					

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Ethylene cyanohydrin	Etylencyanhydrin	$CH_2(OH)CH_2CN$	100	20	1.060																								
Ethylene diamine, pure	Etylendiamin, ren	$NH_2CH_2CH_2NH_2$	100	20	0.900	1.5	1.4		D				A		A			A	B	A	D	A	A	A	A		A		A
Ethylene diamine, pure	Etylendiamin, ren	$NH_2CH_2CH_2NH_2$	100	40					D				A		A			A	D	A	D			A	A				
Ethylene dichloride (Dichloroethane)	Etylendiklorid (Dikloretan)	$C_2H_4Cl_2$	100	20	1.250	8		C	C	A		A	B		A	A	D	B	A	A	A	D	D	D		D			
Ethylene fluoride	Etylenfluorid	CH_3CHF_2	100	20	0.910																								
Ethylene glycol (Cellosolves), pure	Etylenglykol (Glykol), ren	$C_2H_4(OH)_2$, $HOCH_2CH_2OH$	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	Etylenglykol (Glykol), ren	$C_2H_4(OH)_2$, $HOCH_2CH_2OH$	100	80				A	A	A			A		A	A	B	B	B	A	A	A	A	A	A	A			
Ethylene oxide	Etylenoxid (Oxiran)	$(CH_2)_2O$, CH_2OCH_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	Etylenoxid (Oxiran)	$(CH_2)_2O$, CH_2OCH_2	100	40				A	A	D					B	A	D	D	B	A	D	D	D	D	A	A			
Ethylene oxide	Etylenoxid (Oxiran)	$(CH_2)_2O$, CH_2OCH_2	100	60				A	A	D					B	A	D	D	C	A	D	D	D	D	A	A			
Ethylene oxide	Etylenoxid (Oxiran)	$(CH_2)_2O$, CH_2OCH_2	100	80				A	A	D					B	A	D	D	D		D	D	D	D	A	A			
Ethylene trichloride	Etylentriklorid	$ClCH=CCl_2$	100	20	1.460		7.7		C						A						A	D	D	D					
Ethylenimine	Etylenimin	$NHCH_2CH_2$	100	20	0.830		22																						
Fat	Fett		100	20				A							A	A					A			D					
Fatty acid (Sebacic acid)	Fettsyra	$C_{17}H_{33}CO_2H$	100	20	0.900			C	A	C	C	A	A		A	A	B	A	A	A	A	D	A	D		C			A
Fatty acid (Sebacic acid)	Fettsyra	$C_{17}H_{33}CO_2H$	100	40				C	A	C	C	A	A		A	A	B	B	A	A		D		D		C			
Fatty acid (Sebacic acid)	Fettsyra	$C_{17}H_{33}CO_2H$	100	80				C	A	C	C	A	A		A	A		C	A	A		D		D		C			
Fatty alcohol	Fettalkohol		100	20					A				A		A			A	A	A	D		A				A		
Fatty alcohol sulphonates	Fettalkoholsulfonat		100	20					D				A		A			A	A	A			A				A		
Ferric chloride, saturated	Järn (III) klorid (Ferriklorid), mättad	$FeCl_3$	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	Järn (III) klorid (Ferriklorid), mättad	$FeCl_3$	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	Järn (III) klorid (Ferriklorid), mättad	$FeCl_3$	100	20	2.800			D	D	D		D	A		D	A	A	A	A	A	A	A	A	A		C			
Ferric chloride, saturated	Järn (III) klorid (Ferriklorid), mättad	$FeCl_3$	100	80				D	D	D		D	A		D	A	A	A	A	A	A	A	B	A		C			
Ferric hydroxide, saturated	Järn (III) hydroxid (Ferrihydroxid), mättad		100	20													A	A	A	A	A	A	A						
Ferric hydroxide, saturated	Järn (III) hydroxid (Ferrihydroxid), mättad		100	80													A	A	A	A	A	A	B						
Ferric nitrate, saturated	Järn (III) nitrat (Ferrinitrat), mättad	$Fe(NO_3)_3$	10	20	1.080		2.2		D				A		B	A	A	A	A	A	A	A	A	A					
Ferric nitrate, saturated	Järn (III) nitrat (Ferrinitrat), mättad	$Fe(NO_3)_3$	25	20	1.230		1.8		D				A		B	A	A	A	A	A	A	A	A	A			A		
Ferric nitrate, saturated	Järn (III) nitrat (Ferrinitrat), mättad	$Fe(NO_3)_3$	100	20					D				A		B	A	A	A	A	A	A	A	A	A					
Ferric nitrate, saturated	Järn (III) nitrat (Ferrinitrat), mättad	$Fe(NO_3)_3$	100	80					D				A		B	A	A	B	A	A	A	A	B	A					
Ferric oxide	Järnoxid	FeO_2	100	20									A			A								C					
Ferric sulphate	Järn (III) sulfat (Ferrisulfat)	$Fe_2(SO_4)_3$	50	20	1.610			D	D	D			A		A	A	A	A	A	A	A	A	B	A			A		
Ferric sulphate	Järn (III) sulfat (Ferrisulfat)	$Fe_2(SO_4)_3$	100	20				D	D	D			A		A	A	A	A	A	A	A	A	B	A					
Ferric sulphide	Järn (III) sulfid (Ferrisulfid)	Fe_2S_3	100	20													A	A	A	A	A	A	A						
Ferric sulphide	Järn (III) sulfid (Ferrisulfid)	Fe_2S_3	100	80															A	A	A	A	B						
Ferrous chloride, saturated	Järn (II) klorid (Ferroklorid), mättad	$FeCl_2$	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	Järn (II) klorid (Ferroklorid), mättad	$FeCl_2$	50	20				D	D	D		D	A		A	A	A	A	A	A	A	A	A	A		A	A		A
Ferrous chloride, saturated	Järn (II) klorid (Ferroklorid), mättad	$FeCl_2$	100	20				D	D	D		D	A		D	A	A	A	A	A	A	A	A	A		A			

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Ferrous chloride, saturated	Järn (II) klorid (Ferroklorid), mättad	$FeCl_2$	100	80				D	D	D		D	A		D	A	A	A	A	A	A	A	B	A		A			
Ferrous hydroxide, saturated	Järn (II) hydroxid (Ferrohydroxid), mättad		100	20													A	A	A	A	A	A	A						
Ferrous hydroxide, saturated	Järn (II) hydroxid (Ferrohydroxid), mättad		100	80													A	A	A	A	A	A	B						
Ferrous nitrate, saturated	Järn (II) nitrat (Ferronitrat), mättad	$Fe(NO_3)_2$	100	20					D						A	A	A	A	A	A	A	A	A	A			A		
Ferrous nitrate, saturated	Järn (II) nitrat (Ferronitrat), mättad	$Fe(NO_3)_2$	100	80					D						A	A	A	A	A	A	A	A	B	A					
Ferrous sulphate	Järn (II) sulfat (Ferrosulfat)	$FeSO_4$	20	20	1.210			D	A	D		B	A			A	A	A	A	A	A	A	A	A			A		
Ferrous sulphate	Järn (II) sulfat (Ferrosulfat)	$FeSO_4$	100	20				D		D		B	B		B	A	A	A	A	A	A	A	A	A					
Ferrous sulphate	Järn (II) sulfat (Ferrosulfat)	$FeSO_4+7H_2O$	100	25	1.050			D		D		B	B		B	A	A	A	A	A	A	A	A	A					
Ferrous sulphate	Järn (II) sulfat (Ferrosulfat)	$FeSO_4$	100	80				D		D		B	B		B	A	A	A	A	A	A	A	B	A					
Fertilizer salts, aqueous	Gödningssalter, vattenhaltig		100	20														A	A	A	A	A	A	A	A				
Fluoboric acid, pure	Fluorborsyra, ren	HBF_4	100	20	1.220			D	D	D			A		B	A	A	A	A	A	A	A	B	A	A				
Fluoboric acid, pure	Fluorborsyra, ren	HBF_4	100	80				D	D	D			A		B	A	B	B	A	A	A	B		A	A				
Fluorine (gas), wet	Fluor (gas), fuktig	F_2	100	20	1.700												A	A	A	A	A	A	D	D	C				
Fluorine (gas), wet	Fluor (gas), fuktig	F_2	100	40													B	B	A	A	A	A							
Fluorine (gas), wet	Fluor (gas), fuktig	F_2	100	60													B	B	A	A	B	B							
Fluorine (liquid)	Fluor (vätska)	F_2	100	20					A						A				D		B	C							
Fluorine monoxide	Fluormonoxid	OF_2	100	20	1.900																								
Fluorobenzene	Fluorbensol		100	20																	A	D	D	D					
Fluosilicic acid (Fluoric silicate)	Fluorkiselsyra (Vätehexafluorosilikat)	H_2SiF_6	25	20	1.240			D	D	D	D		A		B	A	A		A		A		A	A					
Fluosilicic acid (Fluoric silicate)	Fluorkiselsyra (Vätehexafluorosilikat)	H_2SiF_6	32	20																									
Fluosilicic acid (Fluoric silicate)	Fluorkiselsyra (Vätehexafluorosilikat)	H_2SiF_6	50	20				D	D	D	D		A		B	A	A	A	A	A	A	A	A	A					
Fluosilicic acid (Fluoric silicate)	Fluorkiselsyra (Vätehexafluorosilikat)	H_2SiF_6	50	40				D	D	D	D		A		B	A	A	A	A	A	A	A	B	A					
Fluosilicic acid (Fluoric silicate)	Fluorkiselsyra (Vätehexafluorosilikat)	H_2SiF_6	50	80				D	D	D	D		A		B	A	B	B	A	A	A	B	B	A					
Fluosilicic acid (Fluoric silicate)	Fluorkiselsyra (Vätehexafluorosilikat)	H_2SiF_6	100	20				D	D	D	D		A		B	A	A		A		C	B	A	A					
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	35	20				C	A	C	D	B	B		A	A	A	A	A	A	A	A	B	D	A	C			
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	35	60				C	A	C	D	B	B		A	A	A	A	B	A	A	A	B	D		C			
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	35	80				C	A	C	D	B	B		A	A	A	A	D	A	A	A	B	D		C			
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	37	20	1.1	0.9		C	A	C	D	B	B		A	A	A	A	A	A	A	A	B	D		C			
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	37	60				C	A	C	D	B	B		A	A	A	A	B	A	A	A	B	D		C			
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	37	80				C	A	C	D	B	B		A	A	A	A	D	A	A	A	B	D		C			
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	40	20				C	A	C	D	B	B		A	A	A	A	A	A	A	A	A	D	A	A	A		A
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	50	20				C	A	C	D	B	B		A	A	A	A	A	A	B	A	D	D					
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	50	60				C	A	C	D	B	B		A	A	A	A	B	A			D	D					
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	50	80				C	A	C	D	B	B		A	A	A	A	D	A			D	D					
Formaldehyde	Formaldehyd, formalin	$HCHO, CH_2O$	100	25	0.820			C	A	C	D	B	B		A	A	A	A	A	A	A	B	C	D					
Formalin	Formalin	$HCHO$	100	20	1.100			C	A	C		B	B		A	A	A	A	A	A	A	B	C	D					
Formamide	Formamid (Myrsyraamid)	$HCONH_2$	100	20	1.130	3			A				A		A					A	D		A				A		A

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Formamide	Formamid (Myrsyraamid)	$HCONH_2$	100	70			0.13		A						A						D								
Formic acid (Methanoic acid)	Myrsyra (Metansyra)	$HCOOH, HCO_2H$	50	20									A		A			A	A	A	A	A	D	A	D				
Formic acid (Methanoic acid)	Myrsyra (Metansyra)	$HCOOH, HCO_2H$	90	20				C	B	D	D	B	A		B	A	A	A	A	A	D	A	D	D	D				
Formic acid (Methanoic acid)	Myrsyra (Metansyra)	$HCOOH, HCO_2H$	90	40				C	B	D	D	B	A		B	A	B	B	A	A	D	A	D	D	D				
Formic acid (Methanoic acid)	Myrsyra (Metansyra)	$HCOOH, HCO_2H$	90	60				C	B	D	D	B	A		B	A	D	D	A	A	D	A	D	D	D				
Formic acid (Methanoic acid)	Myrsyra (Metansyra)	$HCOOH, HCO_2H$	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	Freon 11 (Triklormonofluormetan)	$CCl_3F, CFCl_3$	100	20	1.494		89	A	B	C					C	A	A	D	A	A	B	C	D	D	D	A			
Freon 1113	Freon 1113 (Monoklortrifluoretylen)	CF_2=CFCl	100	20	1.000		576																						
Freon 112	Freon 112		100	20																	A		B	B					
Freon 113	Freon 113 (TF Triklortrifluoretan)	CCl_2FCClF_2	100	20	1.563		36	A							A	A			A	A	B	D	D	D	D	A			
Freon 114	Freon 114 (Diklortetrafluoretan)	CF_2ClCF_2Cl	100	20	1.000		122												A	A	A	C	B	A		A			
Freon 114 B2	Freon 114 B2		100	20																	B	D	B	A					
Freon 115	Freon 115		100	20																	B	A	A	A					
Freon 12	Freon 12 (Diklordifluormetan)	CCl_2F_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	Freon 12 B1	$CClF_2Br$	100	20	1.000		253																						
Freon 13	Freon 13 (Klortrifluormetan)	$CClF_3$	100	20	1.000		324													A	A	A	A	A					
Freon 13 B1	Freon 13 B1		100	20																A	A	A	A	A		C			
Freon 133 a	Freon 133 a (Monoklortrifluroetan)	CH_2Cl-CF_3	100	20	1.000		182																						
Freon 142 b	Freon 142 b (Difluormonokloretan)	$C_2H_3ClF_2$	100	20	1.118		303														D		A	A					
Freon 152 a	Freon 152 a		100	20																	D		A	A					
Freon 21	Freon 21 (Diklormonofluormetan)	$CHCl_2F$	100	20	1.380		162											D	A	A	C	C	D	B	D				
Freon 21	Freon 21 (Diklormonofluormetan)	$CHCl_2F$	100	40														D	A	A	D		D	B	D				
Freon 218	Freon 218		100	20																	A		A	A					
Freon 22	Freon 22 (Klordifluormetan)	$CHClF_2$	100	20	1.213		950	A		C					C	A	D	C	A	A	D	B	D	D	D	D			
Freon 23	Freon 23 (Trifluormetan)	CHF_3	100	20	1.000		4295																						
Freon 31	Freon 31		100	20																	D		D	A					
Freon 32	Freon 32		100	20																	C		A	A					
Freon 502	Freon 502		100	20	1.4	0.24															B		B	A					
Freon BF	Freon BF		100	20																			B	B					
Freon C316	Freon C316		100	20																			A	A					
Freon C318	Freon C318		100	20																	A		A	A					
Freon MF	Freon MF		100	20																			A	C					
Freon T-P35	Freon T-P35		100	20																A	A		A	A					
Freon T-WD602	Freon T-WD602		100	20																A	A		B	B					
Freon TA	Freon TA		100	20																	C		A	A					
Freon TC	Freon TC		100	20																A	A		A	A					
Freon TF	Freon TF		100	20				A							A	A	B				B	D	C	D					

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Freon TMC	Freon TMC		100	20																A	A		B	B					
Fructose	Fruktsocker		100	20													A		A	A	A	A	A						
Fructose	Fruktsocker		100	80															A	A	A	A	B						
Fruit juice, pure	Fruktsaft, ren		100	20	1.04	55-75		C	A	D	D				A	A	A	A	A	A	A	A	A	A	A	C	A		
Fruit pulp	Fruktmassa		100	20														A	A				A						
Fruit wine	Fruktvin (Bärvin)		100	20														A	A				A						
Fuel oils	Eldningsolja		100	20	0.860			A	A		B				A	A		A	A	A	A	D	A	D					
Fumaric acid	Fumarsyra	$C_4H_4O_4$	100	20															A	A	A		A	B		D			
Furan (Furfuran)	Furan (Furfuran)	C_4H_4O	100	20	0.964				A						A				D	A	D	D	D	D					
Furan resin	Furylharts	$C_5H_4O_2$	100	20				A							A	A					A		D	A					
Furfur aldehyde	Furfuraldehyd	$(CH)_3COCHO$, OCH=CHCH=CCHO	100	20	1.160		1.1	A	A	A			A		A	A	D	A	A	A	B	A	D	D			A		
Furfural, pure	Furfural, ren	C_4H_3OCHO, OCH=CHCH=CCHO	100	20	1.160	8	1.1	A	B	A		B	B		A	A	D	C	A	A	B	A	D	D	A		A		
Furfural, pure	Furfural, ren	C_4H_3OCHO, OCH=CHCH=CCHO	100	40				A	B	A		B	B		A	A	D	D	B	A	B	A	D	D	A				
Furfural, pure	Furfural, ren	C_4H_3OCHO, OCH=CHCH=CCHO	100	60				A	B	A		B	B		A	A	D	D	B	A	C	A	D	D	A				
Furfural, pure	Furfural, ren	C_4H_3OCHO, OCH=CHCH=CCHO	100	80				A	B	A		B	B		A	A	D	D	D	A		B	D	D	A				
Furfurole	Furfurol	$C_5H_6O_2$	100	20	1.160		1.1	A	A	A	B		A		A	A	D	A	A	A	B	A	D	D			A		
Furfuryl alcohol, pure	Furfurylalkohol, ren	$C_4H_3OCH_2O$	100	20	1.130													A	B	A	D	C	D						
Furfuryl alcohol, pure	Furfurylalkohol, ren	$C_4H_3OCH_2O$	100	60														A	C	A	D		D						
Furfuryl alcohol, pure	Furfurylalkohol, ren	$C_4H_3OCH_2O$	100	80															D		D		D						
Gallic acid	Gallussyra	$C_6H_2(OH)_3COOH$, $C_6H_2(OH)_3CO_2H$	50	20					A		D				A				A	A	A	A	A	B			A		
Gallic acid	Gallussyra	$C_6H_2(OH)_3COOH$, $C_6H_2(OH)_3CO_2H$	100	20	1.700				A		D				B				A	A	A	A	A	B					
Gallic acid	Gallussyra	$C_6H_2(OH)_3COOH$, $C_6H_2(OH)_3CO_2H$	100	40					A		D				B				B	A				B					
Gallic acid	Gallussyra	$C_6H_2(OH)_3COOH$, $C_6H_2(OH)_3CO_2H$	100	60					A		D				B				C	A				B					
Gallic acid	Gallussyra	$C_6H_2(OH)_3COOH$, $C_6H_2(OH)_3CO_2H$	100	80					A		D				B				D	A				B					
Gelatin	Gelatin		100	20				A	A	D	D	B	A		A	A	A	A	A	A	A	A	A	A		C	A		
Gelatin	Gelatin		100	80				A	A	D	D	B	A		A	A	A	A	A	A	A	A	B	A		C			
Gin	Gin (Genever)		100	20													A	A	A	A	A	A	A						
Gin	Gin (Genever)		100	60													B	A	A	A	A	A	A						
Gin	Gin (Genever)		100	80													B	B	A	A	A	A	A						
Ginger oil	Ingefärsolja		100	20				D		D					A	A				A		A	A						
Gluconic acid-d	Glukonsyra-d	$C_6H_{12}O_7$	100	20					A				A					A	A	A							A		
Glucose	Glykos (Druvsocker)	$C_6H_{12}O_6$	100	20	1.130	3300-6600		A	A	A	B				A	A	A	A	A	A	A	A	A	A		C			
Glue	Lim		100	20				A	A	A	B				A	A	A	A	A	A	A	A	A	A					
Glue	Lim		100	80				A	A	A	B				A	A	A		A	A	A	A	B	A					
Glycerol (Glycerine), aqueous	Glycerin (Glycerol), vattenhaltig	$C_3H_5(OH)_3$, $(CH_2OH)_2CHOH$	100	20																					A				
Glycerol (Glycerine), pure	Glycerin (Glycerol), ren	$C_3H_5(OH)_3$, $(CH_2OH)_2CHOH$	100	20	1.260	500		A	A	A	B	A	A		A	A	A	A	A	A	A	A	A	A	A	A	A		
Glycerol chlorohydrin	Glycerinklorohydrin	$(CH_2OH)_2ClCH$	100	20	1.332													A	A	A	A		D						

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Glycerphosphoric acid	Glycerinfosforsyra	$C_3H_7O_3PO(OH)_2$	100	20															A										
Glycocoll (Glycine, Aminoacetic acid)	Glykokoll (Glycin, Aminoättiksyra)	NH_2CH_2COOH	10	20																									
Glycocoll (Glycine, Aminoacetic acid)	Glykokoll (Glycin, Aminoättiksyra)	NH_2CH_2COOH	100	20														A	A	A	A		A				A		
Glycol (Ethylene glycol), pure	Glykol (Etylenglykol), ren	$C_2H_4(OH)_2$, $HOCH_2CH_2OH$	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	Glykol (Etylenglykol), ren	$C_2H_4(OH)_2$, $HOCH_2CH_2OH$	100	80				A	A	A	B		A		A	A	B	B	B	A	A	A	A	A					
Glycol acetate	Glykolacetat	$CH_2OH\text{-}CH_2O$	100	20	1.110																						A		
Glycolic acid, saturated	Glykolsyra, mättad	$HOCH_2COOH$, CH_2OHCO_2H	37	20					A				A		A	A	A	A	A	A	A	A	A	A	A		A		
Glycolic acid, saturated	Glykolsyra, mättad	$HOCH_2COOH$, CH_2OHCO_2H	70	20												A	A	A	A	A	A	A	A	A					
Glycolic acid, saturated	Glykolsyra, mättad	$HOCH_2COOH$, CH_2OHCO_2H	100	20												A	A	A	A	A	A	A	A	A					
Glycolic acid, saturated	Glykolsyra, mättad	$HOCH_2COOH$, CH_2OHCO_2H	100	40												A	A	A	B	A				A					
Glycolic acid, saturated	Glykolsyra, mättad	$HOCH_2COOH$, CH_2OHCO_2H	100	60												A	A	A	C	A				A					
Glycolic acid, saturated	Glykolsyra, mättad	$HOCH_2COOH$, CH_2OHCO_2H	100	80												A	A		D	A				A					
Gold monocyanide	Guldmonocyanid	AuCN	100	20				A		D					A	A					A		A	A					
Gold, plating solution	Guld, ytbehandlingslösning		100	20											A	A	A	D	A	A	A	A	A	A					
Grape juice	Druvsaft		100	20				A		D					A	A	A				A		A	A					
Grape sugar	Druvsocker		100	20													A	A	A	A	A	A	A						
Grape sugar	Druvsocker		100	80															A	A	A	A	B						
Grease	Smörjfett		100	20				A		A					A	A					A		D	D		A			
Heptane (i)	Heptan (i)	C_7H_{16}	100	20	0.680	15	4.8	A	A	A			D		A	A	A	A	A	A	A	D	A	D	A		A		
Heptane (n)	Heptan (n)	$CH_3(CH_2)_5CH_3$	100	20	0.680		4.8	A	A	A			D		A	A	A	A	A	A	A	D	A	D	A		A		
Heptane (n)	Heptan (n)	$CH_3(CH_2)_5CH_3$	100	60				A	A	A			D		A	B	A	C	A	A	A	D		D					
Heptene	Hepten	C_7H_{14}	100	20	0.700		16																						
Hexachlorobenzene	Hexaklorbensol	C_6Cl_6	100	20					A																				
Hexachloroethane	Hexakloretan	C_2Cl_6	100	20	0.880				A				A		D			D		A							A		A
Hexaldehyde-N	Hexaldehyd-N		100	20					A						A							B	D	A					
Hexamethylene diamine	Hexametylendiamin	$H_2N(CH_2)_6NH_2$	100	20																									
Hexamethylene diisocyanate	Hexametylendiisocyanat	$OCN\text{-}(CH_2)_6\text{-}NCO$	100	20	1.050																								
Hexamethylene tetramine	Hexametyltetramin	$(CH_2)_6N_4$	100	20					A				A		A					A							A		
Hexane (I-Hexane)	Hexan (I-Hexan)	C_6H_{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)	Hexan (N-Hexan)	$CH_3(CH_2)_4CH_3$	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)	Hexan (N-Hexan)	$CH_3(CH_2)_4CH_3$	100	60				A	A				A		A	A		C	A	A		D		D		A			
Hexene (N-Hexene-1)	Hexen (N-Hexen-1)		100	20																	A	D	B	B					
Hexyl alcohol, pure	Hexylalkohol (Hexanol), ren	$C_5H_{11}CH_2OH$, $C_6H_{13}OH$	100	20	0.830		0.13	A		A		A	A		A	A				A	A	B	A	A					
Hexyl alcohol, pure	Hexylalkohol (Hexanol), ren	$C_5H_{11}CH_2OH$, $C_6H_{13}OH$	100	60				A		A		A	A		A	A				A	A	C	B	A					
Hexyl alcohol, pure	Hexylalkohol (Hexanol), ren	$C_5H_{11}CH_2OH$, $C_6H_{13}OH$	100	80				A		A		A	A		A	A				A	A	D		A					
Hexylene glycol	Hexylenglykol	$(CH_3)_2C(OH)C_2H_3(OH)CH_3$	100	20	0.920																								
Honey	Honung		100	20	1.5	1000		A		A					A	A		A			A	A	A	A					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Horse radish oil	Pepparrotsolja		100	20												A							D	A					
Hydraulic oil, mineral	Hydraulolja, mineral		100	20				A	A	A	B				A	A				A	A	D	A	D		D			
Hydraulic oil, synthetic	Hydraulolja, syntetisk		100	20				A			B				A	A					A	D	C	C		D			
Hydrazine hydrate	Hydrasinhydrat (Diamidhydrat)	$H_2NNH_2(H_2O)$	100	20	1.030	1	1.4											A	A	A	A	A	D	D	A		A		
Hydrazine, pure	Hydrasin (Diamid), ren	H_2NNH_2, NH_2NH_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	Jodvätesyra	HI	100	20					A				A		A			A	A	A							A		A
Hydrobromic acid	Bromvätesyra	$HBr+H_2O$	10	20	1.070			D	D	D		B	A		D	A	A	A	A	A	A	A	D	C	A				A
Hydrobromic acid	Bromvätesyra	$HBr+H_2O$	20	20				D	D	D		B	A		D	A	A	A	A	A	A	A	C	C	A				
Hydrobromic acid	Bromvätesyra	$HBr+H_2O$	20	60				D	D	D		B	A		D	A	A	A	A	A	A	A	D	C	A				
Hydrobromic acid	Bromvätesyra	$HBr+H_2O$	20	80				D	D	D		B	A		D	A	A	A	A	A	B	B	D	C	A				
Hydrobromic acid	Bromvätesyra	$HBr+H_2O$	48	20	1.440			D	D	D		B	A		D	A	A	A	A	A	A	A	D	C	A				
Hydrobromic acid	Bromvätesyra	$HBr+H_2O$	50	20	1.520		0.6	D	D	D		B	A		D	A	A	A	A	A	A	A	C	C	A				
Hydrobromic acid	Bromvätesyra	$HBr+H_2O$	50	40				D	D	D		B	A		D	A	A	A	A	A	A	A	D	C	A				
Hydrobromic acid	Bromvätesyra	$HBr+H_2O$	50	80				D	D	D		B	A		D	A	B	A	A	A			D	C	A				
Hydrobromic acid	Bromvätesyra	HBr	100	20	1.800		2090	D	D	D		B	A		D	A	A	D	A	A	A	A	D	C	A				
Hydrobromic acid	Bromvätesyra	HBr	100	25	1.780			D	D	D		B	A		D	A	A	D	A	A	A	A	D	C	A				
Hydrocarbons, aromatic	Kolväten, aromatiska		100	20				C		A					C	A					A		D	D					
Hydrocarbons, chlorinated	Kolväten, klorerade		100	20				A		A					D	A					D		D	D					
Hydrochloric acid, anhydrous	Saltsyra (Klorvätesyra), vattenfri	HCl	100	20			4120																						
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	5	20					D	D	D			D	D			A	A	A	A	A	C	C	A				
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	5	40					D	D	D			D	D			A	A	A	A	A	D	D	A				
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	5	80					D	D	D			D	D			C	A	A	A	A	D	D	A				
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	10	20					D		D		A		D			A	A	A	A	A	C	C	A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	10	40					D		D		A		D			A	A	A	A	A	D	D	A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	10	60					D		D		A		D			C	A	A	A	A	D	D			A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	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	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	20	40				D	D	D	D	B	A	D	D	A	A	C	A	A	A	A			A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	20	60				D	D	D	D	B	A	D	D	A	A	C	A	A	C	C			A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	20	80				D	D	D	D	B	A	D	D	A	A	D	A	A					A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	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	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	25	40					D	D	D		A	D	D		A	A	A	A	A	A	D		A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	25	80					D	D	D		A	D	D		A	A	A	A	D	B	D		A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	35	20	1.180		1.3		D	D	D		D	D	D		A	A	A	A	B	B	C	D	A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	35	40					D	D	D		D	D	D		A	A	A	A	B	B	D	D	A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	35	60					D	D	D		D	D	D		A	A	A	A	D	D	D	D			A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	35	80					D	D	D		D	D	D		B	B	A	A	D	D	D	D			A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	37	20				D	D	D	D	A	A		D	A	A	A	A	A	A	A	D	D	A		A		A

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	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	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	37	60				D	D	D	D	A	A		D	A	A	D	A	A	C	D	D	D			A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	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	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	38	40					D	D	D		D	D	D		A	A	A	A	B	C	D	D	A		A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	38	60					D	D	D		D	D	D		B	A	A	A	D	D	D	D			A		A
Hydrochloric acid, aqueous solution	Saltsyra (Klorvätesyra), vattenhaltig	$HCl+H_2O$	38	80					D	D	D		D	D	D		B	B	A	B	D	D	D	D			A		A
Hydrocyanic acid (Prussic acid), gas	Cyanvätesyra (Blåsyra)	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	Fluorvätesyra (Flussyra)	$HF+H_2O$	10	25	1.030		2.2	D	D	D	D	B	B		D														
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	30	20				D	D	D	D	B	B		D	C	A	A	A	A	A	A	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	30	40				D	D	D	D	B	B		D	C	B	B	A	A	A	A	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	30	60				D	D	D	D	B	B		D	C	C	B	A	A	A	A	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	30	80				D	D	D	D	B	B		D	C	D	B	A	A	A	B	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	38	20	1.125			D	D	D	D	B	B		D	C	B	A	A	A	A	A	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	40	20	1.060		1	D	D	D	D	B	B		D	C	B	A	A	A	A	A	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	40	40				D	D	D	D	B	B		D	C	C	B	A	A	A	B	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	40	60				D	D	D	D	B	B		D	C	D	B	A	A	A	C	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	40	80				D	D	D	D	B	B		D	C	D	B	A	A	A	D	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	50	20				D	D	D	D	B	B		D	C	B	A	A	A	A	A	D	C		D			
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	50	40				D	D	D	D	B	B		D	C	D	B	A	A	A	A	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	50	60				D	D	D	D	B	B		D	C	D	B	A	A	A	B	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	50	80				D	D	D	D	B	B		D	C	D	B	A	A	A	C	D	C					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	70	20	1.230			D	D	D	D	B	B		D	C	A	A	A	A	A	C	D	D	A				
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	75	20	0.990			D	D	D	D	B	B		D	C	A	A	A	A	A	C	D	D		D			
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	75	25	1.240			D	D	D	D	B	B		D	C	A	A	A	A	A	C	D	D					
Hydrofluoric acid	Fluorvätesyra (Flussyra)	$HF+H_2O$	100	25	0.990			D	D	D	D	B	B		D														
Hydrofluoric acid, dilute	Fluorvätesyra (Flussyra), utspädd	HF	100	20												A	A	A	A	A	A	A	D					
Hydrofluoric acid, dilute	Fluorvätesyra (Flussyra), utspädd	HF	100	40												A	B	B	A	A	A	A	D					
Hydrofluoric acid, dilute	Fluorvätesyra (Flussyra), utspädd	HF	100	80												A	C	B	A	A	A	A	D					
Hydrofluosilicic acid	Kiselfluorvätesyra	H_2SiF_6	10	20				A	D	D		B	B		D	A	A	A	A	A	A	A	A	C					
Hydrofluosilicic acid	Kiselfluorvätesyra	H_2SiF_6	20	20				A	D	D		B	B		D	A	A	A	A	A	A	A	A	C					
Hydrofluosilicic acid	Kiselfluorvätesyra	H_2SiF_6	32	20	1.170			A	D	D		B	B		D	A	A	A	A	A	A		D	C			A		A
Hydrogen	Väte (gas)	H_2	100	20	0.070			A	A		B				A		A	A	A	A	A	A	A	A					
Hydrogen chloride, anhydrous	Klorväte (Väteklorid),vattenfri	HCl	100	20	0.910		4400																						
Hydrogen fluoride, anhydrous	Fluorväte, vattenfri	HF	100	20	0.970											A			A	A	D	B	D						
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	3	20	1.010			D	A	D			D			A	D	A	A	A	A		D	D			D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	5	20				D	A	D			D			A	D	A	A	A	A	A	D	D			D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	5	40				D	A	D			D			A	D	A	A	A	A	B	D	D			D		A

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	5	80				D	A	D			D			A	D	B	A	A	A	C	D	D			D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	10	20	1.040		2.2	D	A	D			D			A		A	A	A	A		D	D			D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	20	20	1.070			D	A	D			D			A		A	A	A	A		D	D			D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	30	20	1.100		3.2	D	A	D			D			A		A	A	A	A		D	D			D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	35	20	1.130																						D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	50	20	1.200		0.1	D	A	D						A	D	C	A	A	A	C	D	D			D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	50	40				D	A	D						A	D	D	A	A	B		D	D			D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	90	20	1.400		0.67	D	A	D			D			A	D	D	A	A	A	D	D	D			D		A
Hydrogen peroxide	Väteperoxid (Vätesuperoxid)	H_2O_2	100	20	1.442		0.3	D	A	D			D														D		A
Hydrogen sulphide, aqueous	Svavelväte (Vätesulfid), utspädd	H_2S	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	Svavelväte (Vätesulfid), utspädd	H_2S	100	60				D	A	D	C				A	A	A	A	A	A	B	A	A	D		A	A		
Hydrogen sulphide, aqueous	Vätesulfid (Svavelväte), utspädd	H_2S	100	20	0.960		1760	D		D						A	A	A	A	A	A	A	A	D		A			
Hydrogen sulphide, aqueous	Vätesulfid (Svavelväte), utspädd	H_2S	100	60				D		D						A	A	A	A	A	B	A	A	D		A			
Hydrogen sulphide, dry	Svavelväte (Vätesulfid), torr	H_2S	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	Svavelväte (Vätesulfid), torr	H_2S	100	80				D		D	C				A	A	A	A	A	A	A	B	B	D	A		A		
Hydrogen sulphide, dry	Vätesulfid (Svavelväte), torr	H_2S	100	20			1760	D		D						A	A	A	A	A	A	B	A	D	A				
Hydrogen sulphide, dry	Vätesulfid (Svavelväte), torr	H_2S	100	80				D		D						A	A	A	A	A	A	B	B	D	A				
Hydroquinone, saturated	Hydrokinon, mättad	$C_6H_4(OH)_2$	100	20				D	A	D					A	A	A	A	A	A	A	A	A	A			A		
Hydrosulphite (Sodium dithionite)	Hydrosulfit (Natriumditionit)	$Na_2S_2O_4$	10	20					D						A			A	A	A	A		D				A		
Hydrosulphite (Sodium dithionite)	Hydrosulfit (Natriumditionit)	$Na_2S_2O_4$	10	40					D						A			A	A	A	A		D						
Hydrosulphite (Sodium dithionite)	Hydrosulfit (Natriumditionit)	$Na_2S_2O_4$	10	60					D						A			A	A	A	A		D						
Hydroxyacetic acid	Hydroxiättiksyra	$HOCH_2COOH$	70	20				D								A	A				A	A	A	A					
Hydroxylamine	Hydroxylamin	NH_2OH	100	20	1.200																								
Hydroxylamine sulphate	Hydroxylaminsulfat	$(H_2NOH)_2H_2SO_4$	100	20														A		A	A		A						
Hypochlorous acid	Underklorsyrlighet	$HClO_2$	10	20					D						D		A	A	A	A	A	A	C						
Hypochlorous acid	Underklorsyrlighet	$HClO_2$	10	40					D						D		A	B	A	A	B	B							
Hypochlorous acid	Underklorsyrlighet	$HClO_2$	10	80					D						D		B		A	A									
Indium, plating solution	Indium, ytbehandlingslösning		100	20											A	A	A	A			A		A						
Ink	Bläck		100	20				D	C	D	D				A	A		A			A		A	A		C			
Insecticide (Summition)	Insektutrotningsmedel		100	20													D	A	A	A	A	A	C						
Insecticide (Summition)	Insektutrotningsmedel		100	60													D	B	A	A	A	A							
Iodic acid	Jodsyra	HIO_3	35	20	1.390														A										
Iodine	Jod	J_2 ?, I_2	100	20	4.940		0.03	D		D			B		D	A	B	A	A	A	B	D	A	D		C			
Iodine	Jod	J_2 ?, I_2	100	60				D		D			B		D	A	C	A	A	A		D	A	D		C			
Iodine pentafluoride	Jodpentafluorid	IF_5	100	20																	D		D	D					
Iodine silicic acid	Jodvätesyra	$HI-H_2O$	100	20	1.700				A				A		A			A	A	A							A		A
Iodine solution	Jodlösning		10	20															A	A									

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Iodine tincture	Jodtinktur enl DAB 6		100	20	0.905		8		A									A	A	A	A		A						
Iodine water, saturated	Jodvatten, mättad		100	20														A	A								A		
Iodoform ((Triiodomethane)	Jodoform (Trijodmetan)	CHI_3	100	20	4.010				B		C				B			C	A	A		A							
Iron salts	Järnsalter		100	20																									
Iron, plating solution	Järn, ytbehandlingslösning		100	20								A			A	A	A	A			A		A	A					
Isobutyl alcohol, pure	Isobutylalkohol (Isobutanol), ren	C_3H_7CH, $(CH_3)_2CHCH_2OH$	100	20	0.810	12	1.2	A	A	C		A	A		A	A			A	A	A	A	B	A					
Isobutylene	Isobutylen	$(CH_3)_2C{:}CH_2$	100	20																									
Isodecanol	Isodekanol	$C_{10}H_{21}OH$	100	20	0.837																								
Isooctane	Isooktan	$(CH_3)_3CCH_2CH(CH_3)_2$	100	20	0.690				A						A			A	A	A	A	D	A	B		A			
Isooctanol	Isooktanol	$C_6H_9CH(C_2H_5)CH_2OH$	100	20	0.830														A	A			D						
Isophorone, pure	Isoforon, ren	$COCHC(CH_3)CH_2C(CH_3)_2CH_2$	100	20	0.920				A						A				A		D	D	D						
Isoprene	Isopren	$CH_2{:}C(CH_3)CH{:}CH_2$	100	15	0.680		53.2																						
Isopropanol (Isopropylalcohol)	Isopropanol (Isopropylalkohol)	$(CH_3)_2CHOH$, $CH_3CH(OH)CH_3$	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	Isopropylacetat, ren	$CH_3COOCH(CH_3)_2$	100	20	0.890	0.57	3.3		C						B	A				A	D	B	D	D					
Isopropyl alcohol, pure	Isopropylalkohol, ren	$C_2H_5CH_2OH$, C_3H_7OH	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	Isopropylalkohol, ren	$C_2H_5CH_2OH$, C_3H_7OH	100	40				A	B	C		A	A		A	A	A	A	A	A	A	A	B	A	A	A			
Isopropyl amine	Isopropylamin	$(CH_3)_2$-CH-NH_2	100	20	0.694	0.5	63																						
Isopropyl benzene (Cumene)	Isopropylbensen (Kumen)	$C_6H_5CH(CH_3)_2$, C_9H_{12}	100	20	0.862	1	1.3		B						B						A	D		D					
Isopropyl chloride (2-Chloropropane)	Isopropylklorid (2-Klorpropan)	C_3H_7Cl	100	20	0.859				A						A				A	A	A	D	B	B					
Isopropyl chloride (2-Chloropropane)	Isopropylklorid (2-Klorpropan)	C_3H_7Cl	100	40					A						A				B	A		D							
Isopropyl chloride (2-Chloropropane)	Isopropylklorid (2-Klorpropan)	C_3H_7Cl	100	60					A						A				C	A		D							
Isopropyl chloride (2-Chloropropane)	Isopropylklorid (2-Klorpropan)	C_3H_7Cl	100	80					A						A				D	A		D							
Isopropyl ether, pure	Isopropyleter, ren	$C_3H_7OC_3H_7$	100	20	0.730		20	A	A						A			D	A	A	C	C	A	D					
Isopropyl ether, pure	Isopropyleter, ren	$C_3H_7OC_3H_7$	100	40				A	A						A			D	B	A				D					
Isopropyl ether, pure	Isopropyleter, ren	$C_3H_7OC_3H_7$	100	60				A	A						A			D	C	A				D					
Isopropyl ether, pure	Isopropyleter, ren	$C_3H_7OC_3H_7$	100	80				A	A						A			D	D					D					
Isopropyl formate	Isopropylformiat	$HCOOCH(CH_3)_2$	100	20	0.870		13																						
Isopropyl nitrate	Isopropylnitrat	$(CH_3)_2CHONO_2$	100	20	1.190																								
Isopropyl toluene (p-Cymene)	Isopropyltoluen (p-Cymol)	$CH_3C_6H_4CH(CH_3)_2$	100	20	0.860		0.1														A			D					
Isotane	Isotan		100	20												A					A		A	D					
Jet fuel JP-3	Jetbränsle JP-3		100	20				A	A	A					A	A	A	A	A	A	A	D	B	D		A			
Jet fuel JP-4	Jetbränsle JP-4		100	20				A	A	A					A	A	A	A	A	A	A	D	B	D		A			
Jet fuel JP-5	Jetbränsle JP-5		100	20				A	A	A					A	A	A	A	A	A	A	D	A	D		A			
Kerosene, paraffin, photogene	Kerosin, paraffin, fotogen, lacknafta		100	20	0.750	4	0.1	A	A	A					A	A	A	A	A	A	A	D	A	D		A			
Kerosene, paraffin, photogene	Kerosin, paraffin, fotogen, lacknafta		100	40				A	A	A					A	A	A	B	A	A		D		D		A			
Kerosene, paraffin, photogene	Kerosin, paraffin, fotogen, lacknafta		100	60				A	A	A					A	A	A	C	A	A		D		D		A			
Ketchup (Catsup)	Ketchup		100	20				C	D	D	D				A	A	A	A			A		A	C					

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Ketones	Ketoner		100	20					A		A				A	B	D	A		A	D	A	D	D					
Lacquer solvent	Lacklösningsmedel		100	20					A						A				A	A	D	D	D	D					
Lacquers	Lacker		100	25	0.900			A	A	C					A	A			A	A	D	D	D	D		D			
Lactic acid	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	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	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	25	20				C	A	D		B			A	A	A	A	A	A	A	A	A	C	A	D			
Lactic acid	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	25	40				C	A	D		B			A	A	A	A	A	A	A	A	B	C	A	D			
Lactic acid	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	25	60				C	A	D		B			A	A	A	A	A	A	A	A	C	C	A	D			
Lactic acid	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	25	80				C	A	D		B			A	A	B	A	A	A	A	A	D	C		D			
Lactic acid	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	80	20				C	A	D		B			A	A	A	A	A	A	A	A	A	C	A	D			
Lactic acid	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	80	40				C	A	D		B			A	A	A	A	A	A	A	A	B	C	A	D			
Lactic acid	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	80	60				C	A	D		B			A	A	B	A	A	A	A	A	C	C	A	D			
Lactic acid	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	80	80				C	A	D		B			A	A		B	A	A	A	A		C		D			
Lactic acid	Mjölksyra	$C_2H_4(OH)COOH$, $H_6C_3O_3$	90	20	1.240			C	A	D		B			A	A		A	A	A	A	A	A	C	A	D	A		A
Lanolin	Lanolin (Ullfett)		100	20														A	A	A	A		A						
Lard	Späck (Svinister)		100	20	0.96	60		A	A	A	A				A	A	A		A	A	A	B	A	C		C			
Lard oil	Isterolja (Späckolja)		100	20	0.91	40-50												A	A	A	A	A	A			C			
Latex	Latex		50	25	1.050	200		A							A	A					A		A	A			A		
Latex	Latex		100	20				A							A	A					A		A	A			A		
Lauric acid (n-dodecylic acid)	Laurinsyra (n-dodekansyra)	$C_{12}H_{24}O_2$, $CH_3(CH_2)_{10}COOH$	100	20															A	A									
Lauroyl Chloride, pure	Lauroylklorid, ren		100	20															A	A									
Lauroyl peroxide	Lauroylperoxid	$(C_{11}H_{23}CO)_2O_2$	100	20																									
Lauryl alcohol	Laurylalkohol	$CH_3(CH_2)_{10}OH$	100	20														A	A	A	A		A						
Lauryl mercaptan	Laurylmerkaptan	$C_{12}H_{25}SH$	100	25	0.850																								
Lavender oil	Lavendelolja		100	20																	A	D	B	C					
Lead (II) acetate, saturated	Bly (II) acetat (Blysocker), mättad	$Pb(CH_3COO)_2+3H_2O$	100	20					D		D		A		B	A	A	A	A	A	A	A	A	B			A		A
Lead (II) acetate, saturated	Bly (II) acetat (Blysocker), mättad	$Pb(CH_3COO)_2+3H_2O$	100	60					D		D		A		B	A	A	A	A	A	B	A	A	B					
Lead (II) acetate, saturated	Bly (II) acetat (Blysocker), mättad	$Pb(CH_3COO)_2+3H_2O$	100	80					D		D		A		B	A	A	A	A	A	B	A	B	B					
Lead chloride	Blyklorid	$PbCl_2$	0,9	20	1.010				D				A		A		A	A	A	A	A	A	A				A		A
Lead chloride	Blyklorid	$PbCl_2$	100	20													A	A	A	A	A	A	A						
Lead chloride	Blyklorid	$PbCl_2$	100	80															A	A	A	A	B						
Lead chromate	Blykromat	$PbCrO_4$	100	20					D				A		A			A	A	A							A		A
Lead fluorine borate	Blyfluorborat		100	20												A								A					
Lead nitrate	Blynitrat	$Pb(NO_3)_2$	30	20	1.330				A				A		A		A	A	A	A	A	A	A	A			A		A
Lead nitrate, saturated	Blynitrat, mättad	$Pb(NO_3)_2$	100	20	4.350				D						B		A	A	A	A	A	A	A	A					
Lead nitrate, saturated	Blynitrat, mättad	$Pb(NO_3)_2$	100	80					D						B		A	A	A	A	A	A	B	A					
Lead sulphamate	Blysulfamat		100	20									A		A	A		A			A	A	B	A					
Lead sulphate	Blysulfat	$PbSO_4$	100	20													A	A	A	A	A	A	A	A					

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Lead sulphate	Blysulfat	$PbSO_4$	100	80													A	A	A	A	A	A	B	A					
Lead thiocyanate	Blythiocyanat	$Pb(SCN)_2$	100	20	3.820																								
Lead, plating solution	Bly, ytbehandlingslösning		100	20								A				A	A	A	A	A	A	A	A	A					
Lemon oil	Citronolja		100	20				D		D					A	A		D	A	A	A		D	D					
Lignin	Lignin		100	20				A							A	A					A		A	A					
Ligroin	Ligroin	CnH_2n+_2	100	20				A							A	A		A			A	D	A						
Lime (Calcium oxide)	Kalk (Kalciumoxid)	CaO	100	20	3.370			A		A					A	A	A				A	A	A	A		C			
Lime bleach	Blekkalk		100	20											A					A	A	A	A	B					
Lime sulfur	Kalksvavel		100	20											A					A	A	A	D	A					
Linoleic acid	Linolsyra	$C_{17}H_{31}COOH$	100	20					A						A				A	A	A	D	B	D					
Linoleic oil	Linololja		100	20				A		A					A	A			A	A			A	D					
Linseed oil	Linolja	$C_5H_{11}OH$	100	20	0.930	30		A	B	A	A				A	A	A	A	A	A	A	B	B	D	A	C	A		
Linseed oil	Linolja	$C_5H_{11}OH$	100	80				A	B	A	A				A	A	A	B	A	A	A			D	A	C			
Liquefied petroleum gas	Kondenserad petroleumgas		100	20					A						A				A	A	A		A	B					
Liquers	Likörer		100	20									A		A			A	A	A	A	A	A	A	A				
Lithium	Litium	Li	100	20	0.534		0																						
Lithium aluminiumhydride	Litiumaluminiumhydrid	$LiAlH_4$	100	20	0.860																								
Lithium borhydride	Litiumborhydrid	$LiBH_4$	100	20	0.660																								
Lithium bromide	Litiumbromid	$LiBrH_2O$	60	20						A			A		A	A			A	A	A		A	D					
Lithium chloride	Litiumklorid	LiCl	45	20	1.300				D		B		A		D			A	A	A	A		A				A		A
Lithium hydride	Litiumhydrid	LiH	100	20	0.820																								
Lithium sulphate	Litiumsulfat	$LiSO_4$	25	20	1.230				A						A			A	A	A						A		
Lithophone	Litopon	$ZnS, BaSO_4$	100	20					A						A			A	A	A						A		
Liver paste	Leverpastej		100	20											A	A							A	A					
Lubricating oil (ASTM 1)	Smörjolja		100	20				A	A	A	A				A	A	A	A	A	A	A	D	A	D		A			
Lubricating oil (ASTM 2)	Smörjolja		100	20				A	A	A	A				A	A	A	A	A	A	A	D	A	D		A			
Lubricating oil (ASTM 3)	Smörjolja		100	20				A	A	A	A				A	A	A	A	A	A	A	D	A	D		A			
Lubricating oil (ASTM 3)	Smörjolja		100	40				A	A	A	A				A	A	A		A	A	A	D	B	D		A			
Lubricating oil (ASTM 3)	Smörjolja		100	80				A	A	A	A				A	A	A		A	A	B	D		D		A			
Machine oil	Maskinolja		100	20														A	A	A	A	D	A						
Machine oil	Maskinolja		100	60														B	A	A	A	D	B						
Magnesium bisulphite	Magnesiumbisulfit	$Mg(HSO_3)_2$	100	20					D									A	A	A							A		A
Magnesium carbonate	Magnesiumkarbonat	$MgCO_3$	100	20	2.960				A			B	B		A	A	A	A	A	A	A	A	A	A		A	A		A
Magnesium carbonate	Magnesiumkarbonat	$MgCO_3$	100	80					A			B	B		A	A	B	A	A	A	A	A	B	A		A			
Magnesium chloride, saturated	Magnesiumklorid, mättad	$MgCl_2+6H_2O$	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	Magnesiumklorid, mättad	$MgCl_2+6H_2O$	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	Magnesiumklorid, mättad	$MgCl_2+6H_2O$	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

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Magnesium chloride, saturated	Magnesiumklorid, mättad	$MgCl_2+6H_2O$	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	Magnesiumklorid, mättad	$MgCl_2+6H_2O$	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	Magnesiumcitrat		100	20													A	A	A	A	A	A	A					
Magnesium citrate	Magnesiumcitrat		100	80													A	A	A	A	A	A	B					
Magnesium fluoride	Magnesiumfluorid	MgF_2	100	20					A						D			A	A	A							A		A
Magnesium hydroxide, saturated	Magnesiumhydroxid, mättad	$Mg(OH)_2$	100	20				A	B	A					A	A	A	A	A	A	A	A	A	A		A			
Magnesium hydroxide, saturated	Magnesiumhydroxid, mättad	$Mg(OH)_2$	100	80				A	B	A					A	A	A	A	A	A	A	A	B	A		A			
Magnesium nitrate	Magnesiumnitrat	$Mg(NO_3)_2+6H_2O$	25	20	1.210			D	A	D			A		A	A	A	A	A	A	A	A	A	A			A		A
Magnesium nitrate	Magnesiumnitrat	$Mg(NO_3)_2+6H_2O$	100	20	1.460			D		D					A	A	A	A	A	A	A	A	A	A					
Magnesium nitrate	Magnesiumnitrat	$Mg(NO_3)_2+6H_2O$	100	80				D		D					A	A	B	B	A	A	A	A	B	A					
Magnesium oxide	Magnesiumoxid	MgO	100	20				A		A					A	A					C		A	A					
Magnesium perchlorate	Magnesiumperklorat	$Mg(ClO_4)_2+H_2O$	100	25	2.600																								
Magnesium salt (Epsom salt), saturated	Magnesiumsalt (Bittersalt), mättad	$MgSO_4+7H_2O$	100	20	1.280			A				A	B		A	A	A		A	A	A	A	A	A					
Magnesium silicofluoride	Magnesiumsilikofluorid	$MgSiF_6+6H_2O$	100	20	1.780				A						A			A	A	A							A		
Magnesium sulfite	Magnesiumsulfit	$MgSO_3$	100	20					A						A			A	A	A							A		A
Magnesium sulphate	Magnesiumsulfat	$MgSO_4$	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	Magnesiumsulfat	$MgSO_4$	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	Magnesiumsulfat	$MgSO_4$	100	20	1.280			C	A	A	B	A	B		A	A	A	A	A	A	A	A	A	A		C	A		
Maleic acid	Maleinsyra	$CHCO_2HCHCO_2H$, $(HCCOOH)_2$	100	20					A		C	B	A		A	A	A	A	A	A	A	A	B	D	A				
Maleic acid	Maleinsyra	$CHCO_2HCHCO_2H$, $(HCCOOH)_2$	100	40					A		C	B	A		A	A	A	A	A	A	A	B	B	D	A				
Maleic acid	Maleinsyra	$CHCO_2HCHCO_2H$, $(HCCOOH)_2$	100	60					A		C	B	A		A	A	A	A	A	A	B	B		D	A				
Maleic acid, saturated	Maleinsyra, mättad	$CHCO_2HCHCO_2H$, $(HCCOOH)_2$	50	20	1.300				A		C	B	A		A	A	A	A	A	A	A	A	A	D	A				
Maleic acid, saturated	Maleinsyra, mättad	$CHCO_2HCHCO_2H$, $(HCCOOH)_2$	100	20	1.590				A		C	B	A		A	A	A	A	A	A	A	A	A	D	A		A		
Maleic acid, saturated	Maleinsyra, mättad	$CHCO_2HCHCO_2H$, $(HCCOOH)_2$	100	60					A		C	B	A		A	A	A	A	A	A	B	A	A	D	A				
Maleic acid, saturated	Maleinsyra, mättad	$CHCO_2HCHCO_2H$, $(HCCOOH)_2$	100	80					A		C	B	A		A	A	A	A	A	A		A	B	D	A				
Maleic anhydride	Maleinsyreanhydrid	$(COCH)_2O$	100	20	0.930				A			A	A		A	A			A	A	A	D	D	D					
Malic acid	Äppelsyra	CO_2H-CH_2O-CH_2-CO_2H	50	20					A				A		A			A	A	A							A		A
Malic acid	Äppelsyra	CO_2H-CH_2O-CH_2-CO_2H	100	20					B						A		A	A	A	A	A	A	A	A					
Malic acid	Äppelsyra	CO_2H-CH_2O-CH_2-CO_2H	100	60					B						A		B	A	A	A	A	A	A	A					
Manganese (II) chloride	Mangan (II) klorid	$MnCl_2$	10	20	1.060																								
Manganese (II) chloride	Mangan (II) klorid	$MnCl_2$	20	20	1.190										D			A	A	A							A		A
Manganese (II) chloride	Mangan (II) klorid	$MnCl_2$	100	20	2.980																								
Manganese chloridehydrate	Mangankloridhydrat	$MnCl_2+4H_2O$	100	20	2.010																								
Manganese nitrate	Mangannitrat	$Mn(NO_3)_2+6H_2O$	100	20												A					C		A	A					
Manganese sulphate	Mangansulfat	$MnSO_4+4H_2O$	20	20	1.220				A		D		A		A		A	A	A	A	A	A	A				A		A
Manganese sulphate	Mangansulfat	$MnSO_4+4H_2O$	30	20	1.220				A		D		A		A		A	A	A	A	A	A	A						
Manganese sulphate	Mangansulfat	$MnSO_4+4H_2O$	100	20	2.090				A		D		A		A		A	A	A	A	A	A	A						

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Manganese sulphate	Mangansulfat	$MnSO_4+4H_2O$	100	80					A		D		A		A		B	A	A	A	A	A	B						
Marmelade (Jam)	Marmelad		100	20														A	A				A						
Mash	Mäsk		100	20				A							A	A							A	A					
Mayonnaise	Majonnäs		100	20	1	5000		D	D	D	D				A	A					A		A	A					
Meat extract	Köttextrakt		100	20	1	22000		D							A	A					A		A	A					
Melamine	Melamin	$C_3H_6N_6$	100	20		420-1000		D		D					D	A							C	D					
Menthol	Mentol	$C_{10}H_{19}OH$	100	20	0.800				A		B		A		A			A	A	A			A						
Mercuric chloride	Kvicksilverklorid	$HgCl_2$	100	20	7.150			D	D	D	D		B		D	A	A	A	A	A	A	A	A	A					
Mercuric cyanide, saturated	Kvicksilvercyanid, mättad	$Hg(CN)_2$	100	20				D	D		D				A	A	A	A	A	A	A	A	A						
Mercuric nitrate	Kvicksilvernitrat	$Hg(NO_3)_2$	100	20					D						A			A	A	A	A	A	A				A		
Mercuric salts	Kvicksilversalter		100	20														A	A	A	A		D				A		
Mercuric sulphate, saturated	Kvicksilversulfat, mättad	Hg_2SO_4	100	20													A	A	A	A	A	A	A						
Mercury	Kvicksilver	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)	Mesityloxid (Isopropylidenaceton)	$(CH_3)_2CCHCOCH_3$, $C_6H_{10}O$	100	20	0.850		1.1		A						A						D	B	D	D					
Meta cresol	Metakresol	$CH_3C_6H_4OH$	100	20	1.030																								
Methane	Metan	CH_4	100	20					A						A				A	A	A	A	A	B		C			
Methane sulphonic acid	Metansulfonsyra	CH_3SO_2OH	50	20															A	A									
Methanol (Methyl alcohol), pure	Metanol (Metylalkohol), ren	CH_3OH	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	Metanol (Metylalkohol), ren	CH_3OH	100	40				A	A	A	B	A	A		A	A	B	A	A	A	B	A	C	A	A	A			
Methanol (Methyl alcohol), pure	Metanol (Metylalkohol), ren	CH_3OH	100	60				A	A	A	B	A	A		A	A	B	A	A	A	C	A	D	A		A			
Methanol (Methyl alcohol), pure	Metanol (Metylalkohol), ren	CH_3OH	100	80				A	A	A	B	A	A		A	A		B	A	A	C	B	D	A		A			
Methyl acetate, pure	Metylacetat, ren	$CH_3CO_2CH_3$	100	20	0.930				B		B	B	A		A		D	B	A	A	D	B	D	D		C	A		
Methyl acetate, pure	Metylacetat, ren	$CH_3CO_2CH_3$	100	40					B		B	B	A		A		D		B	A	D	C	D	D		C			
Methyl acetate, pure	Metylacetat, ren	$CH_3CO_2CH_3$	100	60					B		B	B	A		A		D		C	A	D		D	D		C			
Methyl acetate, pure	Metylacetat, ren	$CH_3CO_2CH_3$	100	80					B		B	B	A		A		D		D	A	D		D	D		C			
Methyl acetoacetate	Metylacetoacetat	$CH_3COCH_2COOCH_3$	100	20	1.080																								
Methyl acetone	Metylaceton		100	20				B							A	C							D	D					
Methyl acrylate, pure	Metylakrylat, ren	$CHCHOOCH_3$, $CH_2=CHCO_2CH_3$	100	20	0.950		9.3		B						A	A			A	A	D	B	D	D					
Methyl acrylate, pure	Metylakrylat, ren	$CHCHOOCH_3$, $CH_2=CHCO_2CH_3$	100	40					B						A	A			B	A	D		D	D					
Methyl acrylate, pure	Metylakrylat, ren	$CHCHOOCH_3$, $CH_2=CHCO_2CH_3$	100	60					B						A	A			C	A	D		D	D					
Methyl acrylate, pure	Metylakrylat, ren	$CHCHOOCH_3$, $CH_2=CHCO_2CH_3$	100	80					B						A	A			D	A	D		D	D					
Methyl acrylic acid	Metylakrylsyra	$CH_2=C(CH_3)COOH$, $C_4H_6O_2$	100	20	1.020		0.13														B	C		B					
Methyl amine	Metylamin	$CH_3NH_2+H_2O$	32	20	0.700				A						A	A		A	D	A			D				A		
Methyl amine	Metylamin	$CH_3NH_2+H_2O$	40	25	0.890		40																						
Methyl amine	Metylamin	CH_3NH_2	100	20	0.660		253	D							A	A	D	D	C	A		A	C						
Methyl amine	Metylamin	CH_3NH_2	100	40				D							A	A	D	D	D	A									
Methyl aniline	Metylanilin	C_7H_9N, $C_6H_4(CH_3)NH_2$	100	20	1.000																A	D	D	D					

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Methyl bromide	Metylbromid	CH_3Br	100	20	1.730		189		D				A		A	B		D	A	A	A	B	D	D	A		A		
Methyl butyl ketone	Metylbutylketon	$CH_3CO(CH_2)_3CH_3$	100	20								B			A	B					D	A	D	D					
Methyl cellosolve	Metyletylglykol	$CH_3OCH_2CH_2OH$	100	20	0.970		1.07	A	B						B	C			A	A	D	B	D	D					
Methyl cellulose	Metylcellulosa		100	20				A								C					D	B	D	D					
Methyl chloride	Metylklorid (Klormetan)	CH_3Cl	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	Metylklorid (Klormetan)	CH_3Cl	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)	Metylkloroform (1,1,1-Trikloretan)	CH_3CCl_3	100	20	1.340		13.3	A		A					A	A			A	A	B	D	D						
Methyl chloroformate	Metylkloroformat	CH_3OCOCl	100	20	1.220		13.7																						
Methyl cyclohexanol	Metylcyklohexanol	$C_7H_{13}OH$	100	20	0.920																								
Methyl cyklopentane	Metylcyklopentan	C_6H_{12}	100	20											A	A		A	A	A	A	D	D	D	A				
Methyl dichloride	Metyldiklorid		100	20												A					A	D	D	D					
Methyl ether	Metyleter	C_2H_6O	100	20	0.670		510														D	D	B	A					
Methyl ethyl carbinol	Metyletylkarbinol (2-Butanol)	$CH_3CH_2CH(OH)CH_3$	100	20	0.810		1.7																						
Methyl ethyl ketone	Metyletylketon (2-Butanon)	$CH_3COCH_2CH_3$, $CH_3COC_2H_5$	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	Metyletylketon (2-Butanon)	$CH_3COCH_2CH_3$, $CH_3COC_2H_5$	100	40				A	B			B			A	A	D	C	D	A	D	C	D	D	A	C			
Methyl ethyl ketone	Metyletylketon (2-Butanon)	$CH_3COCH_2CH_3$, $CH_3COC_2H_5$	100	60				A	B			B			A	A	D	D	D	A	D		D	D		C			
Methyl fenylendiisocyanate	Metylfenylendiisocyanat	$CH_3C_6H_3(NCO)_2$	100	20	1.220	5	0																						
Methyl formate	Metylformiat	HCO_2CH_3	100	20	0.970		63.9		A						B					A	D	A	D	B					
Methyl glycol	Metylglykol	$C_3H_8O_2$, $(CH_2)_2OHOCH_3$	100	20	0.970		1.07											A	A	A	A	A	A	A	A		A		
Methyl isobutyl carbinol	Metylisobutylkarbinol	$CH_3CHOHCH_2CH(CH_3)_2$	100	20	0.810		0.7													A	A	A	A						
Methyl isobutyl ketone	Metylisobutylketon	$(CH_3)_2CHCH_2COCH_3$	100	20	0.800		0.8	A	A						A	A		D	A	A	D	B	D	D		D			
Methyl isobutyl ketone	Metylisobutylketon	$(CH_3)_2CHCH_2COCH_3$	100	40					A						A	A		D	B	A	D		D	D		D			
Methyl isobutyl ketone	Metylisobutylketon	$(CH_3)_2CHCH_2COCH_3$	100	60					A						A	A		D	C	A	D		D	D		D			
Methyl isobutyl ketone	Metylisobutylketon	$(CH_3)_2CHCH_2COCH_3$	100	80					A						A	A		D	D	A	D		D	D		D			
Methyl isopropyl ketone	Metylisopropylketon	$CH_3CNOHCH(CH_3)_2$	100	20											A	A			A	A	D	D	D	D		D			
Methyl isopropyl ketone	Metylisopropylketon	$CH_3CNOHCH(CH_3)_2$	100	40											A	A			B	A	D	D	D	D		D			
Methyl isopropyl ketone	Metylisopropylketon	$CH_3CNOHCH(CH_3)_2$	100	60											A	A			C	A	D	D	D	D		D			
Methyl isopropyl ketone	Metylisopropylketon	$CH_3CNOHCH(CH_3)_2$	100	80											A	A			D	A	D	D	D	D		D			
Methyl mercaptan	Metylmerkaptan	CH_3SH	100	20	0.870		167																						
Methyl methacrylate	Metylmetakrylat	$CH_2=C(CH_3)COOCH_3$	100	20	0.940		3.9		B						B	A		C	A	A	D	D	D	C					
Methyl methacrylate	Metylmetakrylat	$CH_2=C(CH_3)COOCH_3$	100	40					B						B	A		C	B	A	D	D	D	C					
Methyl methacrylate	Metylmetakrylat	$CH_2=C(CH_3)COOCH_3$	100	60					B						B	A		C	C	A	D	D	D	C					
Methyl methacrylate	Metylmetakrylat	$CH_2=C(CH_3)COOCH_3$	100	80					B						B	A		C	D	A	D	D	D	C					
Methyl oleate	Metyloleat		100	20																	A	C	D	D					
Methyl parathion	Metylparathion	$(CH_3O)_2P(S)OC_6H_4NO_2$	100	20																									
Methyl propane	Metylpropan	$(CH_3)_3CH$	100	20			202																						
Methyl salicylate	Metylsalicylat	$C_8H_8O_3$	100	20	1.185				A													C		D					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Methyl sulfoxide	Metylsulfoxid		100	20															D	A									
Methyl sulphate	Metylsulfat	$(CH_3O)_2SO_2$	100	20	1.330																								
Methyl sulphide	Metylsulfid	$(CH_3)_2S$	100	20	0.850		53																						
Methylene bromide	Metylenbromid	CH_2Br_2	100	20						A					A	A			A	A	A	D	D	D					
Methylene chloride (Dichloromethane)	Metylenklorid (Diklormetan)	CH_2Cl_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	Metylendiklorid	CH_2Cl_2	100	20	1.330		44.7								A	A				A	B	D	D			D			
Methylene iodine	Metylenjodid	CH_2I_2	100	20															A	A	A								
Milk	Mjölk		100	20	1.040	2		C	A	D	D				A	A	A	A	A	A	A	A	A	A		C	A		
Mineral oil	Mineralolja		100	20				A	A	A	B				A	A	A	A	A	A	A	D	A	B		A	A		
Mineral oil	Mineralolja		100	40				A	A	A	B				A	A	A	B	A	A		D		B		A			
Mineral oil	Mineralolja		100	60				A	A	A	B				A	A	A	C	A	A		D		B		A			
Mineral oil, free of aromatic compounds	Mineralolja, aromatfri		100	20																									
Mineral water	Mineralvatten		100	20														A	A	A	A		A						
Molasses	Melass		100	20	1.4	2600		D	A	A			A		A	A	A	A	A	A	A		A	A			A		
Molasses wort	Melassvört		100	20														A	A	A			A						
Monoamylamine	Monoamylamin	$CH_3(CH_2)_4NH_2$	100	20	0.760																								
Monobromobenzene	Monobrombensol		100	20																									
Monobutylamine	Mono-butylamin (Mono-i-butylamin)	$(CH_3)_2CHCH_2NH_2$	100	20	0.730		13																						
Monobutylamine	Mono-butylamin (Mono-n-butylamin)	$CH_3(CH_2)_3NH_2$, $C_4H_9NH_2$	100	20	0.730		9																						
Monobutylamine	Mono-butylamin (Mono-sec-butylamin)	$CH_3CH(NH_2)C_2H_5$	100	20	0.720		13																						
Monobutylamine	Mono-butylamin (Mono-tert-butylamin)	$C(CH_3)_3NH_2$	100	20	0.700		13																						
Monochloroacetic acid	Monoklorättiksyra (Klorättiksyra)	CH_2ClCO_2H	50	20				D	D	D			A		D	C	A	B	A	A	B	C	D	D	A				
Monochloroacetic acid	Monoklorättiksyra (Klorättiksyra)	CH_2ClCO_2H	50	40				D	D	D			A		D	C	B	B	A	A	D		D	D	A				
Monochloroacetic acid	Monoklorättiksyra (Klorättiksyra)	CH_2ClCO_2H	50	60				D	D	D			A		D	C	B	D	B	A	D		D	D					
Monochloroacetic acid	Monoklorättiksyra (Klorättiksyra)	CH_2ClCO_2H	100	20	1.580			D	D	D			A		D	D	A	A	A	A	D	B	D	D					
Monochloroacetic acid ethyl ester	Monoklorättiksyraetylester	$ClCH_2COOC_2H_5$	100	20					D									A	A	A	A		D						
Monochloroacetic acid methyl ester	Monoklorättiksyrametylester	$ClCH_2COOCH_3$	100	20														A	A	A	A		D						
Monochlorobenzene (Chlorobenzene)	Monoklorbensen (Klorbensol)	C_6H_5Cl	100	20	1.110		1.20	A	A	D		B	A		A	A	D	B	A	A	A	D	D	D			A		
Monochlorobenzene (Chlorobenzene)	Monoklorbensen (Klorbensol)	C_6H_5Cl	100	40				A	A	D		B	A		A	A	D	C	A	A		D	D	D					
Monochlorobenzene (Chlorobenzene)	Monoklorbensen (Klorbensol)	C_6H_5Cl	100	60				A	A	D		B	A		A	A	D		B	A		D	D	D					
Monochlorobenzene (Chlorobenzene)	Monoklorbensen (Klorbensol)	C_6H_5Cl	100	80				A	A	D		B	A		A	A	D		C	A		D	D	D					
Monochlorobenzol	Monoklorbensol	C_6H_5Cl	100	20	1.110		1.20	A	A	D		B	A		A	A	D	B	A	A	A	D	D	D			A		
Monochlorphenol	Monoklorfenol	C_6H_4OHCl	100	20	1.300																								
Monoethanolamine	Monoetanolamin	$NH_2CH_2CH_2OH$	100	20	1.020				A						A	A	D	A	D	A	D	A	A	B					
Monoisopropanolamine	Monoisopropanolamin	$H_2NCH_2CH(CH_3)OH$	100	20	0.960		0.20																						
Monomethyl ether	Monometyleter	$(CH_3)_2O$, C_2H_6O	100	20	0.670		510									A					A	A	A	A					
Monomethylamine	Monometylamin	CH_3NH_2	100	20	0.660		250																						

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Monomethylaniline	Monometylanilin	C_7H_9N	100	20																	A	D	D	D					
Monomethylethanolamine	Monometyletanolamin	$H_3CNHCH_2CH_2OH$	100	20	0.940		0.09																						
Morpholine	Morfolin (Dietylenoximid)	$NH(C_2H_4)_2O$, $OCH_2CH_2NHCH_2CH_2$	100	20	1.000	5	1.07		A				A		A			A	A	A	A		D				A		
Motor oil	Motorolja		100	20	0.900			A	A						A	A			A	A	A	D	A	D					
Mowilith D	Mowilith D		100	20																									
Mustard	Senap		100	20				D	B	D	B				A	A	A	A			B		B	C					
Mustard gas	Senapsgas	$(CH_2Cl\text{-}CH_2)_2S$	100	20																A				A					
Myrtle oil	Myrtenolja		100	20											A	A					A			C					
Naphta	Nafta	CnH_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	Nafta	CnH_2n+_2	100	40				B	A	A		B	B		A	A	A	B	A	A		D		D		A			
Naphta	Nafta	CnH_2n+_2	100	60				B	A	A		B	B		A	A	A	C	A	A		D		D		A			
Naphta	Nafta	CnH_2n+_2	100	80				B	A	A		B	B		A	A	A		B	A		D		D		A			
Naphtalene	Naftalin (Naftalen), fast	$C_{10}H_8$	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	Naftalin (Naftalen), smält	$C_{10}H_8$	100	20	1.140			C	A	A	B		A		A	A	D	B	A	A	A	D	D	D		C	A		
Naphtalene, pure	Naftalin (Naftalen), ren	$C_{10}H_8$	100	20	1.150			C	A	A	B		A		A	A	D	B	A	A	A	D	D	D		C	A		
Naphtalenesulphonic acid	Naftalinsulfonsyra	$C_{10}H_7SO_3H$	10	20	1.030				A						A			A		A									
Naphtalenesulphonic acid	Naftalinsulfonsyra	$C_{10}H_7SO_3H$	100	20	1.450				A						A			A		A						A			
Napthenic acid	Naftensyra		100	20					B						A					A	A	D	B						
Natural gas	Naturgas (Jordgas)		100	20					A		B				A				A	A	A	D	A	A					
Neatsfoot oil	Klövolja		100	20					A						A						A	C	A						
Neville-winther acid	Naftolsulfonsyra 1,4		100	20																	A	C	C	C					
Nickel acetate	Nickelacetat		100	20																A	C	A	A	B					
Nickel carbonyle	Nickelkarbonyl (Nickeltetrakarbonyl)	$Ni(CO)_4$	100	25	1.318		53.3																						
Nickel chloride	Nickelklorid	$NiCl_2$	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	Nickelklorid, mättad	$NiCl_2$	100	20				D	D	D	D	A	A		C	A	A	A	A	A	A	A	A	C		D			
Nickel nitrate	Nickelnitrat	$Ni(NO_3)_2$, $Ni(NO_3)_2+6H_2O$	10	20	1.050				D		D				A				A	A	A	A	A						
Nickel nitrate	Nickelnitrat	$Ni(NO_3)_2$, $Ni(NO_3)_2+6H_2O$	35	20	1.380				D		D		A		A			A	A	A	A	A	A				A		
Nickel nitrate, saturated	Nickelnitrat, mättad	$Ni(NO_3)_2$, $Ni(NO_3)_2+6H_2O$	100	20	2.050				D		D								A	A	A	A	A						
Nickel nitrate, saturated	Nickelnitrat, mättad	$Ni(NO_3)_2$, $Ni(NO_3)_2+6H_2O$	100	80					D		D								A	A	A	A	B						
Nickel salts	Nickelsalter		100	20																									
Nickel sulphate, saturated	Nickelsulfat, mättad	$NiSO_4$, $NiSO_4+7H_2O$	10	25	1.060			C	D	D			B		B	A	A	A	A	A	A	A	A	C					
Nickel sulphate, saturated	Nickelsulfat, mättad	$NiSO_4$, $NiSO_4+7H_2O$	100	20	1.950			C	D	D			B		B	A	A	A	A	A	A	A	A	C			A		
Nickel sulphate, saturated	Nickelsulfat, mättad	$NiSO_4$, $NiSO_4+7H_2O$	100	80				C	D	D			B		B	A	B	B	A	A	A	A	A	C					
Nickel, plating solution	Nickel, ytbehandlingslösning		100	20								A	A			A	A	A	A	A	A	A	A	A					
Nicotine	Nikotin	$C_{10}H_{14}N_2$	100	20															A	A									
Nicotine	Nikotin	$C_{10}H_{14}N_2$	100	40															B	A									
Nicotinic acid	Nikotinsyra	$C_6H_5NO_2$	100	20					A		C				A				A	A	B	A	D	D					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Nintroaniline	Nitroanilin	$C_6H_4NO_2NH_2$	100	20	1.140								A							A							A		
Nitric acid	Salpetersyra	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	Salpetersyra	HNO_3	6,3	20																						D			
Nitric acid	Salpetersyra	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	Salpetersyra	HNO_3	10	60				D	D	D	D	D	A		A	A	A	A	A	A	A	B	D	D		D			
Nitric acid	Salpetersyra	HNO_3	10	80				D	D	D	D	D	A		A	A	A	A	A	A	A	D	D	D		D			
Nitric acid	Salpetersyra	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	Salpetersyra	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	Salpetersyra	HNO_3	30	60				D	D	D	D	D	A		A		B	B	A	A	B	D	D	D		D			
Nitric acid	Salpetersyra	HNO_3	30	80				D	D	D	D	D			A		B	B	A	A	C	D	D	D		D			
Nitric acid	Salpetersyra	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	Salpetersyra	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	Salpetersyra	HNO_3	50	40				D	D	D	D	D	A		A	C	B	A	A	A	B	D	D	D		D			
Nitric acid	Salpetersyra	HNO_3	50	60				D	D	D	D	D	A		A	C	C	B	A	A	C	D	D	D		D			
Nitric acid	Salpetersyra	HNO_3	50	80				D	D	D	D	D			A	C	C	D	B	A	D	D	D	D		D			
Nitric acid	Salpetersyra	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	Salpetersyra	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	Salpetersyra	HNO_3	70	40				D	D	D	D	D			A	D	B	D	A	A	D	D	D	D	A	D			
Nitric acid	Salpetersyra	HNO_3	70	60				D	D	D	D	D			A	D	C	D	A	A	D	D	D	D	A	D			
Nitric acid	Salpetersyra	HNO_3	70	80				D	D	D	D	D			A	D	D	D	B	A	D	D	D	D	A	D			
Nitric acid	Salpetersyra	HNO_3	80	20	1.452			D		D	D	D				D	C	C	A	A	C	D	D	D		D			
Nitric acid	Salpetersyra	HNO_3	98	20				D	A	D	D	D			D	D	D	D	A	A	C	D	D	D	A	D			
Nitric acid	Salpetersyra	HNO_3	98	40				D	A	D	D	D			D	D	D	D	B			D	D	D	A	D			
Nitric acid	Salpetersyra	HNO_3	99	20	1.500			D	A	D	D	D			D	D	D	D	A	A		D	D	D		D	D		
Nitric acid	Salpetersyra	HNO_3	100	20							D															D			
Nitric acid, red, fuming,	Salpetersyra, röd, rykande	HNO_3+N_2O_4+H_2O, HNO_3+NO_2	100	20	1.490			D	A	D					A	D	D	D	A	A	C	D	D	D					
Nitrobenzene (Nitrobenzol)	Nitrobensol (Mirbanolja)	C_6H_5-NO_2	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)	Nitrobensol (Mirbanolja)	C_6H_5-NO_2	100	40				C	A	C		D	B		B	A	D	B	C	A	A	B	D	D	D	D			
Nitrobenzene (Nitrobenzol)	Nitrobensol (Mirbanolja)	C_6H_5-NO_2	100	60				C	A	C		D	B		B	A	D	B	D	A	A	B	D	D	D	D			
Nitroethane, pure	Nitroetan, ren	$C_2H_5NO_2$	100	20	1.050		2.1		A						A				A	A	D	A	D	C					
Nitrogen	Kväve	N	100	20					A		A				A				A	A	A		A	A					
Nitrogen dioxide	Kvävedioxid	NO_2	100	20	1.450		96												A	A									
Nitrogen dioxide	Kvävedioxid	NO_2	100	40															B	A									
Nitrogen tetroxide	Kvävetetroxid	N_2O_4	100	20	1.450		96														D	D	D	D					
Nitromethane, pure	Nitrometan, ren	CH_3NO_2	100	20	1.140		3.7		A						A				A	A	D	B	D	C					
Nitrophenol	Nitrofenol	$NO_2C_6H_4OH$	100	20																									
Nitropropane	Nitropropan	$CH_3(CH_2)_2NO_2$	100	20	1.000										A	A					D								

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Nitrose acid	Nitrosyra		100	20	1.700										A			A	A										
Nitrotoluene	Nitrotoluol	$C_6H_4CH_3NO_2$	100	20	1.160				A									A	A	A	D		D				A		
Nitrous acid	Salpetersyrlighet	HNO_2	10	20					A		D				A				A	A	A	B	D	B					
Nitrous oxide	Kväveoxidul (Lustgas)	(N_2O)	100	20														A	A	A	A	A							
Nitrous oxide	Kväveoxidul (Lustgas)	(N_2O)	100	80														A	A	A	A	B							
Nonan	Nonan	C_9H_{20}	100	20	0.720		0.7																						
Nonanol	Nonanol	$C_9H_{19}OH$	100	25	0.824		0.13																						
Nonyl phenol	Nonylfenol	$C_6H_4(C_9H_{19})OH$	100	20	0.950																								
Octane	Oktan	C_8H_{18}	100	20	0.700		2											A	A	A	A	D	A						
Octanol	Oktanol	$C_6H_{13}CHOHCH_3$, $C_8H_{18}O$	100	20	0.830																								
Octene (Diisobutylene), pure	Okten (Diisobutylen), ren	$(CH_3)_3C=CH_2$-$C(CH_3)=CH_2$, C_8H_{16}	100	20					B						B				A	A	A	D	A	C					
Octyl alcohol (Octanol)	Oktylalkohol	$C_4H_9CH(C_2H_5)CH_2OH$, $C_8H_{18}O$	100	20				A	A	A		A	A		A	A			A	A	A	A	B	A					
Oil, animal, vegetable	Olja, animalisk, vegetabilisk		100	20	0.92	90		A	A	C	B				A	A		A	A	A	A		A	C			A		
Oleic acid (Red oil)	Oljesyra	$C_{17}H_{33}COOH$	100	20	0.900			C	A	C		B			A	A	B	A	A	A	A	D	D	D		A	A		
Oleum (fuming sulfuric acid)	Oleum (rykande svavelsyra)	$H_2SO_4+SO_3$	100	20	1.910		25	D		D		A			A	A	D	D	D	A	D	D	D	D			A		A
Olive oil	Olivolja		100	20	0.910			A	A	A					A	A	A	A	A	A	A	B	A	D					
Orange oil	Apelsinolja		100	20											A	A					A		A	D					
Ortho cresol	Orthokresol	$CH_3C_6H_4OH$	100	20	1.050																								
Oxalic acid	Oxalsyra	$(COOH)_2$, $(COOH)_2+2H_2O$	10	20	1.020			A		C	D	B	B		A	A	A	A	A	A	A	A	A	B					
Oxalic acid	Oxalsyra	$(COOH)_2$, $(COOH)_2+2H_2O$	15	20	1.030			A		C	D	B	B		A	A	A	A	A	A	A	A	A	B					
Oxalic acid	Oxalsyra	$(COOH)_2$, $(COOH)_2+2H_2O$	20	20				A		C	D	B	B		A	A	A	A	A	A	A	A	A	B					
Oxalic acid	Oxalsyra	$(COOH)_2$, $(COOH)_2+2H_2O$	50	20				A		C	D	B	B		A	A	A	A	A	A	A	A	A	B					
Oxalic acid	Oxalsyra	$(COOH)_2$, $(COOH)_2+2H_2O$	100	20				A	A	C	D	B	B		A	A	A	A	A	A	A	A	A	B	A				A
Oxalic acid, saturated	Oxalsyra, mättad	$(COOH)_2$, $(COOH)_2+2H_2O$	100	20	1.650			A	A	C	D	B	B		A	A	A	A	A	A	A	A	A	B	A				A
Oxygen	Syre (Syrgas)	O_2	100	20	1.140		4220		A		B				A		A	A	A	A	A	A	B						
Ozone	Ozon	O_3	100	20					B						A		B	C	A	A	A	A	D						
Palm oil (Palm nut oil)	Palmolja (Palmkärnsolja)		100	20				A		A					A	A	A	A	A		A		A	D					
Palm oil emulsion	Palmolje emulsion		100	20	0.92	50												A	A										
Palmitic acid	Palmitinsyra	$C_{15}H_{31}$ -COOH, $C_{16}H_{32}O_2$	5	20					A						A			A	A	A	A	B	A	B		A			
Palmitic acid	Palmitinsyra	$C_{15}H_{31}$ -COOH, $C_{16}H_{32}O_2$	10	20					A						A			A	A	A	A	B	A	B		A			
Palmitic acid	Palmitinsyra	$C_{15}H_{31}$ -COOH, $C_{16}H_{32}O_2$	70	20					A						A			A	A	A	A	B	A	B		A			
Palmitic acid	Palmitinsyra	$C_{15}H_{31}$ -COOH, $C_{16}H_{32}O_2$	70	80					A						A			B	A	A				B		A			
Palmitic acid	Palmitinsyra	$C_{15}H_{31}$ -COOH, $C_{16}H_{32}O_2$	100	20					A						A			D	A	A	A	B	A	B		A	A		
Para cresol	Parakresol	$CH_3C_6H_4OH$	100	20	1.030																								
Paraffin emulsion	Paraffin emulsion		100	20	0.9	3000												A	A	A	A		A				A		
Paraffin oil	Paraffinolja	CnH_2n	100	20	0.870	28-180			A									A	A	A	A		A						
Paraffin, photogene, kerosene	Paraffin, fotogen, lacknafta, kerosin		100	20	0.780	2.5	0.1	A	A		B				A	A	A	A	A	A	B	D	A	C					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Parathion	Parathion	$(C_2H_5O)_2PSOC_6H_4NO_2$	100	20	1.260																								
Peanut oil	Jordnötsolja		100	20	0.910	45		A	A	A					A	A	A	A	A	A	A	D	A	D					
Pentachlorphenol	Pentaklorfenol	C_6Cl_5OH	100	20	1.980	5																							
Pentane (N-Pentane)	Pentan (N-Pentan)	C_5H_{12}, $CH_3(CH_2)_3CH_3$	100	20	0.620	15	67	A		A		B	B		A	A					A	D	A	D		C			
Peppermint oil	Pepparmyntsolja		100	20				A							A	A					A		D	D					
Peracetic acid	Perättiksyra	$CH_3COO\text{-}OH$	100	20	1.230				D						A					A									
Perchloric acid	Perklorsyra (Överklorsyra)	$HClO_4$	3	20	1.020				D						D	A	A	A	A	A	A		D						
Perchloric acid	Perklorsyra (Överklorsyra)	$HClO_4$	10	20	1.060				D						D	A	A	A	A	A	A	B	D	A					
Perchloric acid	Perklorsyra (Överklorsyra)	$HClO_4$	10	40					D						D	A	A	B	A	A			D	A					
Perchloric acid	Perklorsyra (Överklorsyra)	$HClO_4$	10	60					D						D	A	B		A	A			D	A					
Perchloric acid	Perklorsyra (Överklorsyra)	$HClO_4$	50	20	1.400				D						D			D	A	A	A		D						
Perchloric acid	Perklorsyra (Överklorsyra)	$HClO_4$	70	20	1.550				D						D	A		D	A	A	A		D						
Perchloric acid	Perklorsyra (Överklorsyra)	$HClO_4$	72	20	1.700				D						D	A		D	A	A	A		D						
Perchloroethylene, pure	Perkloretylen (Tetrakloretylen), ren	C_2Cl_4	100	20	1.623	1	1.9	D	A	A					A	A		D	A	A	A	D	D	D	A		A		A
Perphosphate	Perfosfat		100	20													A	A	A	A	A	A	A						
Petroleum	Petroleum (Nafta, Bergolja)		100	20					A									A	A	A	A		A				A		
Petroleum ether (Light petrol)	Lättbensin (Petroleumeter)		100	20	0.630				A				A		A			A	A	A	A	D	A	D	A		A		
Phenol (Carbolic acid)	Fenol (Karbolsyra)	C_6H_5OH	10	20				C	A	D		A	A		A	A	A	A	A	A	A	A	D	C	A				
Phenol (Carbolic acid)	Fenol (Karbolsyra)	C_6H_5OH	50	20				C	A	D		A	A		A	A	A	A	A	A	A	A	D	D	A		A		
Phenol (Carbolic acid)	Fenol (Karbolsyra)	C_6H_5OH	90	20				C	A	D		A	A		A	A	A	A	A	A	A	A	D	D	A		A		
Phenol (Carbolic acid)	Fenol (Karbolsyra)	C_6H_5OH	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)	Fenol (Karbolsyra)	C_6H_5OH	100	40				C	A	D		A	A		A	A	B	A	A	A			D	D					
Phenol (Carbolic acid)	Fenol (Karbolsyra)	C_6H_5OH	100	60	1.04	6		C	A	D		A	A		A	A		B	B	A			D	D					
Phenol (Carbolic acid)	Fenol (Karbolsyra)	C_6H_5OH	100	80				C	A	D		A	A		A	A		C	D	A			D	D					
Phenol dicarbonate	Fenoldikarbonat		100	25	1.130																								
Phenol ether	Fenoleter	$C_{12}H_{10}O$	100	20																									
Phenol ftaleine	Fenolftalein	$C_{20}H_{14}O_4$	100	25	1.280																								
Phenyl	Fenyl	C_6H_5	100	20																									
Phenyl benzene	Fenylbensol	$C_6H_5\text{-}C_6H_5$	100	20																	A		D	D					
Phenyl bisulfide, pure	Fenylbisulfid, ren		100	20																A	A	D	C						
Phenyl bisulfide, pure	Fenylbisulfid, ren		100	60																A		D	D						
Phenyl ethanol amine	Fenyletanolamin	$C_6H_5NHCH_2CH_2OH$	100	20	1.100																								
Phenyl ethyl ether	Fenyletyleter	$C_6H_5OC_2H_5$	100	20																		D	D	D					
Phenyl hydrazine	Fenylhydrazin	$C_6H_5NHNH_2$	100	20	1.100													A	A	A	D	B	D	C			A		
Phenyl hydrazine chlorhydrate	Fenylhydrazin klorhydrat		100	20														A	A	A	A		A						
Phorone (Diisopropylideneacetone)	Foron (Diisopropylidenaceton)	$C_9H_{14}O$	100	20																		C							
Phosgene, gas	Fosgen (Karbonylklorid), gas	$COCl_2$	100	20	1.420	1	155											D											

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Phosgene, liquid	Fosgen, vätska	$COCl_2$	100	20	1.400				D				A				A	A	A	A		D				A		A
Phosphoric acid	Fosforsyra	H_3PO_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	Fosforsyra	H_3PO_4	10	60				D	D	D	D	D	A		B	A	A	A	A	A	A	A	B	D			A		A
Phosphoric acid	Fosforsyra	H_3PO_4	10	80				D	D	D	D	D	A		B	A	B	A	A	A	A	A	C	D			A		A
Phosphoric acid	Fosforsyra	H_3PO_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	Fosforsyra	H_3PO_4	30	20	1.180			D	D	D	D	D	A		B	A	A	A	A	A	A	B	D	D			A		A
Phosphoric acid	Fosforsyra	H_3PO_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	Fosforsyra	H_3PO_4	50	20				D	D	D	D	D	A		B	A	A	A	A	A	A	A	A	D			A		A
Phosphoric acid	Fosforsyra	H_3PO_4	50	60				D	D	D	D	D	A		B	A	B	A	A	A	A	A	C	D			A		A
Phosphoric acid	Fosforsyra	H_3PO_4	50	80				D	D	D	D	D	A		B	A	C	C	A	A	A	A	D	D					
Phosphoric acid	Fosforsyra	H_3PO_4	60	20				D	D	D	D	D	A		B	A	C	A	A	A	A	A	C	D	A				
Phosphoric acid	Fosforsyra	H_3PO_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	Fosforsyra	H_3PO_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	Fosforsyra	H_3PO_4	80	40				D	D	D	D	D	A		B	A	B	B	A	A	A	A	B	D			A		A
Phosphoric acid	Fosforsyra	H_3PO_4	80	60				D	D	D	D	D	A		B	A	B	B	A	A	A	A	D	D			A		A
Phosphoric acid	Fosforsyra	H_3PO_4	85	20	1.690			D	D	D	D	D	A		B												A		A
Phosphoric acid	Fosforsyra	H_3PO_4	95	20	1.800			D	D	D	D	D	A		B			A	A	A	A		D	D			A		A
Phosphoric acid	Fosforsyra	H_3PO_4	100	20	1.840			D	D	D	D	D	A		B												A		A
Phosphorous hydride (Phosphine)	Fosforväte (Fosfin)	PH_3	100	20	0.756		3500												A	A	A		D						
Phosphorous oxychloride	Fosforoxiklorid (Fosforylklorid)	$POCl_3$	100	20	1.645		3.7		A				A		A			A		A			D				A		
Phosphorous pentachloride	Fosforpentaklorid	PCl_5	100	20	1.600		0.002		A		D		A		A			A	A	A							A		
Phosphorous pentasulphide	Fosforpentasulfid	P_2S_5	100	20	2.030																								
Phosphorous pentoxide, powder	Fosforpentoxid, pulver	P_2O_5	100	20	2.390										A		A	A	A	A			D				A		
Phosphorous sulphide	Fosforsulfid	P_4S_3	100	20	2.030																								
Phosphorous thiochloride	Fosfortioklorid	$PSCl_3$	100	25	1.630		2.9																						
Phosphorous trichloride, pure	Fosfortriklorid, ren	PCl_3	100	20	1.574		13.3		D						A			A	A	A	D		D	D					
Phosphorous, red	Fosfor, röd		100	20													A	A	A	A									
Phosphorous, yellow	Fosfor, gul	P_4	100	20	1.800												A	A	A	A									
Photogene, kerosene, paraffin	Fotogen, lacknafta, kerosin, paraffin		100	20	0.780	2.5	0.1	A		A	B				A	A	A	B	A	A	A	D	A	D					
Photographic developer	Framkallningsvätska	$C_6H_4(OH)_2$	100	20				D	A	D		A	A		A	A	A	A	A	A	A	A	A	A			A		
Photographic emulsion	Fotoemulsioner		100	20																									
Photographic fixer	Fixerbad (Natriumtiosulfat)	$Na_2S_2O_3$	40	20	1.380										A			A	A				A						
Photographic fixer	Fotofixerbad		100	20																									
Phthalic acid	Ftalsyra	$C_6H_4(COOH)_2+H_2O$	50	20					A								D	A	A	A	A	A	A			A		A
Phthalic acid	Ftalsyra	$C_6H_4(COOH)_2$, $C_6H_4(CO_2H)_2$	100	20	1.600				A								D	D	A	A	A	A	A					
Phthalic anhydride	Ftalsyraanhydrid, smält	$C_6H_4(CO_2)_2O_2$	100	20	1.527								A						A	A							A		A
Phthalic anhydride, powder	Ftalsyraanhydrid, pulver	$C_6H_4(CO_2)_2O_2$	100	20	1.527								A						A	A							A		A

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Pickling solution (steel)	Betningsmedel (stål)		100	20					C						C		A	A	A	A	B	D							
Pickling solution (steel)	Betningsmedel (stål)		100	80					C						C		B	A	A	A	B	D							
Picric acid	Pikrinsyra (Trinitrofenol)	$C_6H_2(NO_2)_3OH$, $HOC_6H_2(NO_2)_3$	1	20				D	A	A	D				A	A		A	A	A	A	D				A		
Picric acid	Pikrinsyra (Trinitrofenol)	$C_6H_2(NO_2)_3OH$, $HOC_6H_2(NO_2)_3$	10	20				D		A	D				A	A	A	A	A	A	A	A	B	D					
Picric acid	Pikrinsyra (Trinitrofenol)	$C_6H_2(NO_2)_3OH$, $HOC_6H_2(NO_2)_3$	10	60				D		A	D				A	A	A	A		A	A	A	C	D					
Picric acid	Pikrinsyra (Trinitrofenol)	$C_6H_2(NO_2)_3OH$, $HOC_6H_2(NO_2)_3$	10	80				D		A	D				A	A	B	A		A	B	B	D	D					
Picric acid	Pikrinsyra (Trinitrofenol)	$C_6H_2(NO_2)_3OH$, $HOC_6H_2(NO_2)_3$	50	20				D	A	A	D				A	A			A		A		D				A		
Picric acid	Pikrinsyra (Trinitrofenol)	$C_6H_2(NO_2)_3OH$, $HOC_6H_2(NO_2)_3$	100	20	1.767			D	C	A	D				A	A													
Pinene	Pinen		100	20																	A	D	B	B					
Polyethylene glycol	Polyetylenglykol		100	20													A	A	A	A	A	A							
Polyethylene glycol	Polyetylenglykol		100	80													B	B	A	A	A	A							
Polyvinyl acetate	Polyvinylacetat	$(CH_2CHCOOCH_3)n$	100	20				A										A	A	A	A	A	A	B					
Polyvinyl alcohol	Polyvinylalkohol		100	20	1.2												A	A	A	A	A	A	A						
Potash	Kali	KCO_3	100	20				D		C					A	A	A	A	A	A	A	A	A	D					
Potash (Potassium carbonate)	Pottaska (Kaliumkarbonat)	K_2CO_3	100	20																									
Potash alum	Kalialun	$KAl(SO_4)_2$	100	20					A								A	A	A	A	A	A	A						
Potash alum	Kalialun	$KAl(SO_4)_2$	100	80					A								A	A	A	A	A	A	B						
Potassium	Kalium	K	100	20	0.860		0																						
Potassium acetate, saturated	Kaliumacetat, mättad	CH_3CO_2K	100	20					D				A		A		A	A	A	A	A	A	A	B			A		A
Potassium aluminium sulphate (Alum)	Kaliumaluminiumsulfat (Alun)	$KAl(SO_4)_2$	50	20	1.740				A							A	A	A	A	A	A	A	A	A			A		
Potassium aluminium sulphate (Alum)	Kaliumaluminiumsulfat (Alun)	$KAl(SO_4)_2$	100	20									B		A	A	A	A	A	A	A	A	A	A					
Potassium bicarbonate, saturated	Kaliumbikarbonat, mättad	$KHCO_3$	100	25	2.170			D	D	A		B			B	A	A	A	A	A	A	A	A	A			A		
Potassium bichromate	Kaliumbikromat	$K_2Cr_2O_7$	25	25	1.050			A	A	A			B		A	C	A	A	A	A	A	A	A	A					
Potassium bichromate	Kaliumbikromat	$K_2Cr_2O_7$	40	20				A	A	A			B		A	C	A	A	A	A	A	A	A	A					
Potassium bichromate, saturated	Kaliumbikromat, mättad	$K_2Cr_2O_7$	100	25	2.680			A	A	A			B		A	C	A	A	A	A	A	A	A	A					
Potassium bichromate, saturated	Kaliumbikromat, mättad	$K_2Cr_2O_7$	100	80				A	A	A			B		A	C	B	B	A	A	A	A	B	A					
Potassium bifluoride	Kaliumbifluorid	KHF_2, $KF+2H_2O$	100	25	2.450										A			A	A										
Potassium bisulphate	Kaliumbisulfat	$KHSO_4$	5	25	1.035										D		A	A	A	A	A	A	A						
Potassium bisulphate	Kaliumbisulfat	$KHSO_4$	12	20	1.090				A						D		A	A	A	A	A	A	A						
Potassium bisulphate	Kaliumbisulfat	$KHSO_4$	100	20	2.320										D		A	A	A	A	A	A	A						
Potassium bisulphate	Kaliumbisulfat	$KHSO_4$	100	80											D		B	A	A	A	A	A	B						
Potassium bisulphite	Kaliumbisulfit	$KHSO_3$	100	20					D		D				A			A	A	A							A		
Potassium bitartrate (Tartar)	Kaliumbitartrat	$KHC_4H_4O_6$	100	20					A									A	A	A	A	A	A	A	A		A		
Potassium borate	Kaliumborat	K_3BO_3	10	20													A	A	A	A	A	A	A						
Potassium borate	Kaliumborat	K_3BO_3	100	20													A	A	A	A	A	A	A						
Potassium borhydride, powder	Kaliumborhydrid, pulver	KBH_4	100	20	1.180																								
Potassium bromate	Kaliumbromat	$KBrO_3$	100	20													A	A	A	A	A	A	A						

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Potassium bromate	Kaliumbromat	$KBrO_3$	100	80													B	B	A	A	A	A	A						
Potassium bromide	Kaliumbromid	KBr	100	20	1.374				A		D	A	A		B	A	A	A	A	A	A	A	A	A					
Potassium bromide	Kaliumbromid	KBr	100	25	2.750				A		D	A	A		B	A	A	A	A	A	A	A	A	A					
Potassium carbonate (Potash)	Kaliumkarbonat (Pottaska)	K_2CO_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)	Kaliumkarbonat (Pottaska)	K_2CO_3	100	25	2.420			D	D	A	B	B	B		A	A	A	A	A	A	A	A	A	A					A
Potassium chlorate	Kaliumklorat	$KClO_3$	50	20					A		B				A	A	A	A	A	A	A	A		A			A		
Potassium chlorate, aqueous	Kaliumklorat, utspädd	$KClO_3$	100	25	2.320				C		B				A	A	A	A	A	A	A	A	C	A					
Potassium chlorate, aqueous	Kaliumklorat, utspädd	$KClO_3$	100	80					C		B				A	A	B	B	A	A				A					
Potassium chloride	Kaliumklorid	KCl	20	20	1.130			D	D	A	B	B	B		A	A	A	A	A	A	A	A	A	A					
Potassium chloride	Kaliumklorid	KCl	100	20	1.980			D	D	A	B	B	B		A	A	A	A	A	A	A	A	A	A			A		
Potassium chromate	Kaliumkromat	K_2CrO_4	40	20				A	A	A	B	A	A		B	C	A	A	A	A	A	A	A	A			A		
Potassium chromate	Kaliumkromat	K_2CrO_4	100	20	2.730			A	B	A	B	A	A		B	C	A	A	A	A	A	A	A	A					
Potassium chromate	Kaliumkromat	K_2CrO_4	100	60				A	B	A	B	A	A		B	C	B	A	A	A	A	A	A	A					
Potassium chromate	Kaliumkromat	K_2CrO_4	100	80				A	B	A	B	A	A		B	C	B	B	A	A	A	A	B	A					
Potassium chromsulphate	Kaliumkromsulfat (Kromalun)	$KCr(SO_4)_2+12H_2O$	100	20	1.830				A						A												A		
Potassium coppercyanide	Kaliumkuprocyanid		100	20													A	A	A	A	A	A	A	A					
Potassium coppercyanide	Kaliumkuprocyanid		100	80													B	A	A	A	A	A		A					
Potassium cyanate	Kaliumcyanat	KOCN	100	20	2.060																								
Potassium cyanide	Kaliumcyanid (Cyankalium)	KCN	38	20	1.180			C	D	A		B	D		A	A	A	A	A	A	A	A	A	A					
Potassium cyanide	Kaliumcyanid (Cyankalium)	KCN	50	20	1.310			C	D	A		B	D		A	A	A	A	A	A	A	A	A	A			A		A
Potassium cyanide	Kaliumcyanid (Cyankalium)	KCN	100	20	1.520			C	D	A		B	D		A	A	A	A	A	A	A	A	A	A					
Potassium cyanide	Kaliumcyanid (Cyankalium)	KCN	100	80				C	D	A		B	D		A	A	B	B	A	A				A					
Potassium dichromate, saturated	Kaliumdikromat, mättad	$K_2Cr_2O_7$	100	20				A	A	A			B		A	C	A	A	A	A	A	A	A	A					
Potassium dichromate, saturated	Kaliumdikromat, mättad	$K_2Cr_2O_7$	100	80				A	A	A			B		A	C	B	B	A	A	A	A	B	A					
Potassium ferricyanide	Kaliumferricyanid	$K_3Fe(CN)_6$	20	20	1.110								A				A	A	A	A	A	A	A				A		A
Potassium ferricyanide	Kaliumferricyanid	$K_3Fe(CN)_6$	50	20	1.850												A	A	A	A	A	A	A						
Potassium ferricyanide	Kaliumferricyanid	$K_3Fe(CN)_6$	100	20													A	A	A	A	A	A	A						
Potassium ferrocyanide	Kaliumferrocyanid	$K_4Fe(CN)_6$	16	20	1.110				A				A				A	A	A	A	A	A	A				A		A
Potassium ferrocyanide	Kaliumferrocyanid	$K_4Fe(CN)_6$	50	20	1.930												A	A	A	A	A	A	A						
Potassium ferrocyanide	Kaliumferrocyanid	$K_4Fe(CN)_6$	100	20	1.850												A	A	A	A	A	A	A						
Potassium fluoride	Kaliumfluorid	KF	45	20	1.460				A				A				A	A	A	A	A	A	A				A		A
Potassium fluoride	Kaliumfluorid	KF	100	20													A	A	A	A	A	A	A						
Potassium fluoride	Kaliumfluorid	KF	100	80															A	A	A	A	B						
Potassium hydrogen fluoride	Kaliumhydrogenfluorid	KHF_2	40	20					D				A		A			A	A	A							A		
Potassium hydrogen fluoride	Kaliumhydrogenfluorid	KHF_2	100	20	2.370																								
Potassium hydroxide (Caustic potash)	Kaliumhydroxid (Kalilut), fast	KOH	100	20	2.044																								
Potassium hydroxide (Caustic potash)	Kaliumhydroxid (Kalilut, Kaustikt kali)	$KOH+H_2O$	20	20	1.190			D	D	C	B	B	B		B	A	A	A	A	A	D	A	B	D			A		A

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Potassium hydroxide (Caustic potash)	Kaliumhydroxid (Kalilut, Kaustikt kali)	$KOH+H_2O$	25	20				D	D	C	B	B	B		B	A	A	A	A	A	D	A	B	D			A		A
Potassium hydroxide (Caustic potash)	Kaliumhydroxid (Kalilut, Kaustikt kali)	$KOH+H_2O$	25	60				D	D	C	B	B	B		B	A	A	A	B	A	D	A	C	D			A		A
Potassium hydroxide (Caustic potash)	Kaliumhydroxid (Kalilut, Kaustikt kali)	$KOH+H_2O$	25	80				D	D	C	B	B	B		B	A	B	A	C	A	D	A	D	D			A		A
Potassium hydroxide (Caustic potash)	Kaliumhydroxid (Kalilut, Kaustikt kali)	$KOH+H_2O$	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)	Kaliumhydroxid (Kalilut, Kaustikt kali)	$KOH+H_2O$	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)	Kaliumhydroxid (Kalilut, Kaustikt kali)	$KOH+H_2O$	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)	Kaliumhydroxid (Kalilut, Kaustikt kali)	$KOH+H_2O$	60	20	1.630			D	D	C	D	B	B		B	A	A	A	A	A	D	A	D	D			A		A
Potassium hypochlorite	Kaliumhypoklorit	KClO	100	20	1.200	1											A		A	A	A	A	B						
Potassium iodate	Kaliumjodat	KIO_3	6	20	1.050													A	A	A							A		
Potassium iodide	Kaliumjodid	KI	50	20	1.550				A		C						A	A	A	A	A	A	A				A		
Potassium iodide	Kaliumjodid	KI	100	20	3.130				D		C						A	A	A	A	A	A	A						
Potassium iodide	Kaliumjodid	KI	100	80					D		C						A	A	A	A	A	A	B						
Potassium monophosphate	Kaliummonofosfat	K_3PO_4	100	20				C		D					A	A							A	A					
Potassium nitrate	Kaliumnitrat (Kalisalpeter)	KNO_3	10	20	1.080		2.2		A		B				A	A	A	A	A	A	A	A	A	A					
Potassium nitrate	Kaliumnitrat (Kalisalpeter)	KNO_3	24	20	1.170				A		B				A	A	A	A	A	A	A	A	A	A			A		A
Potassium nitrate	Kaliumnitrat (Kalisalpeter)	KNO_3	50	20					A		B				A														
Potassium nitrate	Kaliumnitrat (Kalisalpeter)	KNO_3	100	20	2.106			B	A				B		B	A	A	A	A	A	A	A	A	A					
Potassium nitrate	Kaliumnitrat (Kalisalpeter)	KNO_3	100	80				B	A				B		B	A		A	A	A	A	A	B	A					
Potassium nitrite	Kaliumnitrit	KNO_2	18	20					A									A	A	A							A		A
Potassium oxalate	Kaliumoxalat	$K_2(CO_2)_2$, $K_2C_2O_4+H_2O$	15	20	1.170				A																				
Potassium oxalate	Kaliumoxalat	$K_2(CO_2)_2$, $K_2C_2O_4+H_2O$	100	20	2.130				A																		A		
Potassium perborate	Kaliumperborat		100	20													A	A	A	A									
Potassium perchlorate	Kaliumperklorat	$KClO_4$	1,7	20	1.010				A				A				A	A	A	A	A		A				A		A
Potassium perchlorate	Kaliumperklorat	$KClO_4$	100	10	2.520												A	A	A	A									
Potassium perchlorate	Kaliumperklorat	$KClO_4$	100	20													A	A	A	A									
Potassium perchlorate	Kaliumperklorat	$KClO_4$	100	80													B	B	A	A									
Potassium permanganate	Kaliumpermanganat	$KMnO_4$	6	20	1.040			C	A	A	B		A		B	A	A	A	A	A	A	A	D	A			A		
Potassium permanganate	Kaliumpermanganat	$KMnO_4$	10	20				C		A	B		A		B	A	A	A	A	A	A	A	C	A					
Potassium permanganate	Kaliumpermanganat	$KMnO_4$	10	60				C		A	B		A		B	A	A	A	A	A	A	B		A					
Potassium permanganate	Kaliumpermanganat	$KMnO_4$	20	20	1.040		2.2	C		A			A		B	A	A	A	A	A	A	A	D	A					
Potassium permanganate	Kaliumpermanganat	$KMnO_4$	25	20				C		A			A		B	A	A	A	A	A	A	A	D	A					
Potassium permanganate	Kaliumpermanganat	$KMnO_4$	25	80				C		A			A		B	A	B	B	A	A			D	A					
Potassium permanganate	Kaliumpermanganat	$KMnO_4$	100	20	2.703			C		A			A		B	A	A	A		A	A			A					
Potassium peroxide	Kaliumperoxid	K_2O_2	100	20																									
Potassium persulphate	Kaliumpersulfat	$K_2S_2O_8$	100	20	2.480				D				A		A		A	A	A	A	A		D				A		
Potassium phosphate	Kaliumfosfat	KH_2PO_4, K_2HPO_4	10	20					D						A	A		A	A	A			A	A					
Potassium phosphate	Kaliumfosfat	KH_2PO_4, K_2HPO_4	100	20																									

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Potassium silicate	Kaliumsilikat	K_2SiO_3	100	20					A									A	A	A							A		A
Potassium sulphate, pure	Kaliumsulfat , ren	K_2SO_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	Kaliumsulfat , ren	K_2SO_4	100	20	2.660			C	A	A	C		B		B	A	A	A	A	A	A	A	A	A					
Potassium sulphate, pure	Kaliumsulfat , ren	K_2SO_4	100	80				C	A	A	C		B		B	A	A	A	A	A	A	B		A					
Potassium sulphide	Kaliumsulfid	K_2S	45	20	1.430				D				D		A			A	A	A							A		A
Potassium sulphide	Kaliumsulfid	K_2S	100	15	1.805																								
Potassium sulphite	Kaliumsulfit	K_2SO_3	20	20	1.180				A						A			A	A										A
Potassium tartrate	Kaliumtartrat	$KHC_4H_4O_6$	100	20					A									A	A	A	A	A	A	A	A		A		
Potassium thiocyanide	Kaliumrodanid	KCNS	25	20	1.130				A				A					A	A	A							A		A
Producer gas	Gengas (Generatorgas)		100	20					B						B				A	A	A		A	B					
Propane, gas pure	Propan, gas ren	C_3H_8, $CH_3CH_2CH_3$	100	20	0.500	0.4	800	A	A						A	A	A	A	A	A	A	D	A	A					
Propane, liquid pure	Propan, flytande ren	C_3H_8, $CH_3CH_2CH_3$	100	20																									
Propanol	Propanol	C_3H_7OH	100	20	0.800																								
Propargyl alcohol	Propargylalkohol	$CHCCH_2OH$	7	20	0.970				A									A	A	A	A		A						
Propargyl bromide	Propargylbromid	$HC{=}CCH_2Br$	100	20	1.570																								
Propene	Propen	C_3H_6, $CH_3CH{=}CH_2$	100	20	0.510		800																						
Propionaldehyde	Propionaldehyd	C_2H_5CHO	100	30	0.810		53.2																						
Propionic acid	Propionsyra (Propansyra)	C_2H_5COOH, CH_3CH_2COOH	25	20	1.030			B	A				A		A	A		A	A	A	A	A	D	D	A				
Propionic acid	Propionsyra (Propansyra)	C_2H_5COOH, CH_3CH_2COOH	50	20				B	A				A		A	A		A	A	A	A	A	D	D	A		A		
Propionic acid	Propionsyra (Propansyra)	C_2H_5COOH, CH_3CH_2COOH	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	Propylacetat (N-Propylacetat), ren	$CH_3COO\text{-}C_3H_7$	100	20	0.890			A		A					A	A			A	A	D	B	D	D					
Propyl acetate (N-Propyl acetate), pure	Propylacetat (N-Propylacetat), ren	$CH_3COO\text{-}C_3H_7$	100	40				A		A					A	A			B	A	D		D	D					
Propyl acetate (N-Propyl acetate), pure	Propylacetat (N-Propylacetat), ren	$CH_3COO\text{-}C_3H_7$	100	60				A		A					A	A			C	A	D		D	D					
Propyl acetate (N-Propyl acetate), pure	Propylacetat (N-Propylacetat), ren	$CH_3COO\text{-}C_3H_7$	100	80				A		A					A	A			D		D		D	D					
Propyl acetone, pure	Propylaceton, ren		100	20															D										
Propyl alcohol, pure	Propylalkohol (Propanol), ren	$C_2H_5CH_2OH$	100	20	0.800			A	A	C		A	A		A	A	A	A	A	A	A	A	B	A			A		
Propyl alcohol, pure	Propylalkohol (Propanol), ren	$C_2H_5CH_2OH$	100	60				A	A	C		A	A		A	A	A	A	A	A	A	A	C	A					
Propyl alcohol, pure	Propylalkohol (Propanol), ren	$C_2H_5CH_2OH$	100	80				A	A	C		A	A		A	A	B	B	A	A	A	A	D	A					
Propyl amine	Propylamin	$CH_3(CH_2)_2NH_2$	100	20	0.720		33																						
Propyl glycol	Propylglykol	$CH_2OH\text{-}CH_2OC_3H_7$	100	20	0.910		0.2																						
Propyl nitrate	Propylnitrat	$CH_3(CH_2)_2NO_3$	100	20	1.058				A							A			A	A	D								
Propylene	Propylen	$CH_3CH{=}CH_2$	100	20	0.510		1020		A						A				A	A	A	D	D	D					
Propylene chlorohydrin	Propylenklorhydrin	C_3H_7ClO	100	20																A									
Propylene dichloride, pure	Propylendiklorid, ren	$CH_2ClCHClCH_3$	100	20	1.160		5.6														B	D	D						
Propylene glycol (1,2-Propanediol)	Propylenglykol (1,2-Propandiol)	$(CH_2)_2OHOCH_3$, $C_3H_8O_2$	100	20	1.040	55	0	A	A	A			A		A	A		A	A	A	A	A	A	C	A		A		
Propylene oxide	Propylenoxid (Propyleneter)	CH_2OCHCH_3	100	20	0.830		60		B						A			A	D	A	D	D	D	D					
Protein solutions	Protein lösning		100	20					A				A		A			A	A	A							A		

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Prussic acid (Hydrocyanic acid), solution	Blåsyra (Cyanvätesyra)	HCN	100	20	0.690			D	A	D	C	A	A		A	A	A	A	A	A	B	B	B	A			A		A
Pyrazin hexahydride	Piperazin (Hexahydropyrazin)	$HN(CH_2CH_2)_2NH$	100	20	1.070		0.02																						
Pyridine	Pyridin (Azin)	C_5H_5N	100	20	0.980	1	2	D	A	A	B	A	A		B	A		D	C	A	D	B	D	D	A		A		A
Pyridine	Pyridin (Azin)	C_5H_5N	100	60				D	A	A	B	A	A		B	A		D	D	A	D		D	D					
Pyrogallic acid	Pyrogallussyra (Pyrogallol)	$C_6H_3(OH)_3$	10	25	1.030				A			B	B		A	A			A		A								
Pyrogallic acid	Pyrogallussyra (Pyrogallol)	$C_6H_3(OH)_3$	100	25	1.430				A			B	B		A	A			A		A						A		
Pyroligneous acid	Träättiksyra	$C_2H_5O_2$	100	20					D						B					A		C		B					
Pyrophosphoric acid	Pyrofosforsyra	$H_4P_2O_7$	100	20														A	A										
Pyrrole	Pyrrol	C_4H_5N	100	20	0.969																	D	D	D					
Quinene	Kinin	$C_{20}H_{24}N_2O_2$	100	20																									
Quinic acid	Kinasyra	$C_7H_{12}O_6$	100	20	1.640				A				A		A			A	A	A							A		
Quinic sulphate	Kinasulfat		100	20														A	A										
Quinone (Benzoquinone)	Kinon (Bensokinon)	$C_6H_4O_2$	100	20																A									
Ramasit	Ramasit		100	20																									
Rape seed oil (Colza oil)	Rovolja		100	20				A		A					A	A	A		A	A	A	A	D	D					
Resin (Rosin)	Harts		100	20				B							A	A							A						
Resin oil (Rosin oil)	Hartsolja		100	20											A	A					A		A						
Resin solvent	Hartslösningsmedel		100	20											A	A							D	D					
Rhodan salts	Rodansalt		100	20													A	A	A	A	A	A	C						
Rhodanic acid	Rodansyra	HSCN	100	20																									
Rhodium, plating solution	Rodium, ytbehandlingslösning		100	20													A	A	A	A	A	A	A						
Rose oil	Rosenolja		100	20											A	A					A			C					
Rum	Rom		100	20											A	A					A		A	A					
Rust inhibitor	Rostskyddsmedel		100	20				A							A	A		A			A		A	C					
Saccarin solution	Sackarinlösning	$C_6H_4COSO_2NH$	50	20														A	A										
Salad dressing	Salladssås		100	20	1.02	1500									A	A					A		A						
Salicylaldehyde	Salicylaldehyd	$C_7H_6O_2$	100	20	1.172														A	A	A	A	A						
Salicylaldehyde	Salicylaldehyd	$C_7H_6O_2$	100	60															B	A									
Salicylaldehyde	Salicylaldehyd	$C_7H_6O_2$	100	80															C	A									
Salicylic acid	Salicylsyra	$C_6H_4(OH)CO_2H$	50	20	1.480				A				A		A			A	A	A	A	A	A		A		A		
Salicylic acid	Salicylsyra	$C_6H_4(OH)CO_2H$	100	20					D		D				B				A	A	A	A	A						
Sesame oil (Sesame seed oil)	Sesamolja		100	20				A		A					A	A	A				A		A	D					
Shellac (Seedlac) (French polish)	Schellack		100	20				B		A					A	A							B	D					
Silicate ester	Silikatester		100	20												A			A	A	A	D	B	A					
Silicic acid (Silica)	Kiselsyra	H_2SiO_3	100	20													A	A	A	A	A	A	A						
Silicofluoric acid (Fluosilic acid)	Silikofluorvätesyra	H_2SiF_6	32	20	1.170				D				A		A			A	A	A	A		D				A		A
Silicon	Kisel	Si	100	20				A							A	A		A			A	A	A	A					

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Silicon grease	Kiselfett		100	20															A	A	A		A	A					
Silicon L-45	Kisel L-45		100	20				A		A					A	A					A		A	A					
Silicon tetrachloride	Kiseltetraklorid (Tetraklorsilan)	$SiCl_4$	100	20	1.490	0.3	26																						
Silicone oil	Kiselolja (Silikonolja)		100	20				A	A	A					A	A	A	A	A	A	A	A	A	A		A	A		
Silikon X-527	Kisel X-527		100	20				A		A					A	A					A		A	A					
Silver bromide	Silverbromid	AgBr	100	25	6.470				D			B	A		B	A													
Silver chloride	Silverklorid	AgCl	100	25	5.560																								
Silver cyanide	Silvercyanid	AgCN	100	20													A	A	A	A	A	A	A						
Silver nitrate	Silvernitrat (Lapis)	$AgNO_3$	8	20	1.070			D	D	D	D	B	A		A	A	A	A	A	A	A	A	A	A			A		
Silver nitrate	Silvernitrat (Lapis)	$AgNO_3$	20	20	1.190			D	D	D	D	B	A		A	A	A	A	A	A	A	A	A	A			A		
Silver nitrate	Silvernitrat (Lapis)	$AgNO_3$	100	20	4.350			D	D	D	D	B	A		A	A	A	A	A	A	A	A	A	A					
Silver nitrate	Silvernitrat (Lapis)	$AgNO_3$	100	80				D	D	D	D	B	A		A	A		A	A	A	A	A	B	A					
Silver salts	Silversalter		100	20																									
Silver sulphate	Silversulfat	Ag_2SO_4	100	20													A	A	A	A	A	A	A						
Silver sulphate	Silversulfat	Ag_2SO_4	100	80													A		A	A	A	A	B						
Silver, plating solution	Silver, ytbehandlingslösning		100	20									A		A	A	A	A	A	A	A	A	A	A					
Skydrol 500	Skydrol 500		100	20																	D	A	D	D					
Skydrol 7000	Skydrol 7000		100	20																	B	A	D	D					
Soap	Såpa		100	20					C		B				A		A	A	A	A	A	A	A						
Soap solution	Tvållösning		100	20				C	A	A					A	A	A	A	A	A	A	A	A	C			A		
Soda (Sodium karbonate)	Soda (Natriumkarbonat)	Na_2CO_3	100	20																									
Soda lime	Natronkalk		100	20																									
Sodium	Natrium	Na	100	20	0.970		0										A	A	A	A	A	A	A						
Sodium	Natrium	Na	100	80													B	B	A	A	A	A	A						
Sodium acetate, saturated	Natriumacetat, mättad	$NaCH_3COO$, $NaC_2H_3O_2+3H_2O$	100	20	1.450			A	A		C		A		B	A	A	A	A	A	B	A	A	A			A		A
Sodium acetate, saturated	Natriumacetat, mättad	$NaCH_3COO$, $NaC_2H_3O_2+3H_2O$	100	40				A	A		C				B	A	A	A	A	A	C	A	A	A					
Sodium acetate, saturated	Natriumacetat, mättad	$NaCH_3COO$, $NaC_2H_3O_2+3H_2O$	100	80				A	A		C				B	A	A	A	A	A		A	B	A					
Sodium alum, saturated	Natriumalun, mättad		100	20													A	A	A	A	A	A	A						
Sodium alum, saturated	Natriumalun, mättad		100	80													A	A	A	A	A	A	B						
Sodium aluminate	Natriumaluminat	$NaAlO_2$	100	20					D		C	B			A	A				A	A	A	A	A			A		
Sodium aluminium sulphate	Natriumaluminiumsulfat	$NaAl(SO_4)_2$	100	20					A				A						A	A	A						A		
Sodium arsenate	Natriumarsenat	$Na_2HAsO_4+7H_2O$	100	25	1.880				D				A						A	A	A						A		
Sodium arsenite	Natriumarsenit	NaAs, $NaAsO_2$	20	20				D	D	D			A		A	A			A	A		A			A				
Sodium arsenite	Natriumarsenit	NaAs, $NaAsO_2$	100	20				D	D	D			A		A	A			A	A	A	A			A		A		
Sodium benzoate	Natriumbensoat	$NaC_6H_5CO_2$	100	20									A		A		A	A	A	A			A				A		
Sodium bicarbonate	Natriumbikarbonat	$NaHCO_3$	5	20	1.040			A	A	C	C	B	B		A	A	A	A	A	A	A	A	A	A					
Sodium bicarbonate	Natriumbikarbonat	$NaHCO_3$	10	20	1.070			A	A	C	C	B	B		A	A	A	A	A	A	A	A	A	A			A		

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Sodium bicarbonate	Natriumbikarbonat	$NaHCO_3$	100	20	2.160			A	C	C	C	B	B		A	A	A	A	A	A	A	A	A	A					
Sodium bichromate, saturated	Natriumbikromat, mättad	$Na_2Cr_2O_7+2H_2O$	10	20					A				A				A	A	A	A	A	A	A			A		A
Sodium bichromate, saturated	Natriumbikromat, mättad	$Na_2Cr_2O_7+2H_2O$	100	20	2.520												A	A	A	A	A	A	A					
Sodium bichromate, saturated	Natriumbikromat, mättad	$Na_2Cr_2O_7+2H_2O$	100	80													B	B	A	A	A	A	B					
Sodium bisulphate	Natriumbisulfat (Natriumhydrosulfat)	$NaHSO_4+H_2O$	10	20	1.080			C		D	D	B	B		A	A	A	A	A	A	A	A	A	C					
Sodium bisulphate	Natriumbisulfat (Natriumhydrosulfat)	$NaHSO_4+H_2O$	50	20	1.160			C	A	D	D	B	B		A	A	A	A	A	A	A	A	A	A			A		A
Sodium bisulphate	Natriumbisulfat (Natriumhydrosulfat)	$NaHSO_4+H_2O$	100	20	2.100			C		D	D	B	B		A	A	A	A	A	A	A	A	A	C					
Sodium bisulphate	Natriumbisulfat (Natriumhydrosulfat)	$NaHSO_4+H_2O$	100	80				C		D	D	B	B		A	A	B	B	A	A	A	A	A	C					
Sodium bisulphite	Natriumbisulfit	$NaHSO_3$	10	20	1.100		2.2	C	A	D	D		A		A	A	A	A	A	A	A	A	A	A					
Sodium bisulphite	Natriumbisulfit	$NaHSO_3$	100	20	1.480			C	A	D	D		A		A	A	A	A	A	A	A	A	A	A			A		A
Sodium bisulphite	Natriumbisulfit	$NaHSO_3$	100	80				C	A	D	D		A		A	A	B	B	A	A	A	A	A	A					
Sodium borate, saturated	Natriumborat, mättad	$Na_2B_4O_7+10H_2O$	100	20	1.030				A						B			A	A	A	A	A	A	A			A		A
Sodium borhydride, powder	Natriumborhydrid, pulver	$NaBH_4$	100	20	1.074																								
Sodium bromate	Natriumbromat	$NaBrO_3$	25	20	1.230													A	A	A			A				A		
Sodium bromate	Natriumbromat	$NaBrO_3$	100	20																									
Sodium bromide	Natriumbromid	NaBr	40	20	1.410				D		D				C		A	A	A	A			A						
Sodium bromide, saturated	Natriumbromid, mättad	$NaBr+2H_2O$	100	20	2.180				D		D				C		A	A	A	A			A						
Sodium bromite	Natriumbromit	$NaBrO_2$	100	20					D						A				A	A							A		
Sodium carbonate (Soda) (Soda Ash)	Natriumkarbonat (Soda)	Na_2CO_3	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)	Natriumkarbonat (Soda)	Na_2CO_3	25	20	1.127			B	D	A	B	B			A	A	A	A	A	A	A	A	A	A					
Sodium carbonate (Soda) (Soda Ash)	Natriumkarbonat (Soda)	Na_2CO_3	100	80				B	D	A	B	B			A	A	A	A	A	A	A	A	B	A					
Sodium carbonate (Soda), powder	Natriumkarbonat (Soda), pulver	Na_2CO_3	100	20	2.510			B	D	A	B	B			A	A	A	A	A	A	A	A	A	A					
Sodium chlorate, saturated	Natriumklorat (Klorex), mättad	$NaClO_3$	25	20	1.230				A		C		A			A	A	A	A	A	A	A	A	A			A		
Sodium chlorate, saturated	Natriumklorat (Klorex), mättad	$NaClO_3$	28	20	1.410				A		C		A			A	A	A	A	A	A	A	A	A			A		
Sodium chlorate, saturated	Natriumklorat (Klorex), mättad	$NaClO_3$	100	20	2.490				C		C		A		B	A	A	A	A	A	A	A	C	A					
Sodium chlorate, saturated	Natriumklorat (Klorex), mättad	$NaClO_3$	100	80					C		C		A		B	A	B	B	A	A				A					
Sodium chloride (Common salt)	Natriumklorid (Koksalt)	NaCl	25	20				C	D	A	D	A	A		B	A	A	A	A	A	A	A	A	A		C	A		
Sodium chloride (Common salt)	Natriumklorid (Koksalt)	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)	Natriumklorid (Koksalt)	NaCl	100	80				C	D	A	D	A	A		B	A	A	A	A	A	A	A	B	A		C			
Sodium chlorite	Natriumklorit	$NaClO_2$	25	20													D	D	B	B	D	D	D						
Sodium chlorite	Natriumklorit	$NaClO_2$	25	40													D	D	C	B	D	D	D						
Sodium chlorite	Natriumklorit	$NaClO_2$	25	60													D	D	D	B	D	D	D						
Sodium chlorite, diluted	Natriumklorit, utspädd	$NaClO_2$	100	20					D				A					A	A	A	A		D				D		
Sodium chromate	Natriumkromat	$Na_2CrO_4+10H_2O$	100	20				A	A	A			A		A	C		A	A	A	A		A	A			A		A
Sodium cyanide	Natriumcyanid	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	Natriumcyanid, lösning	NaCN	100	20				D	D	A	B				A	A	A	A	A	A	A	A	A	A		A			
Sodium cyanide, solution	Natriumcyanid, lösning	NaCN	100	80				D	D	A	B				A	A	B	B	A	A	A	A	A	A		A			

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Sodium dichloroisocyanurate	Natriumdiklorisocyanurat	$NaC_3Cl_2N_3O_3$	100	20	0.950																								
Sodium dichromate	Natriumdikromat	$Na_2Cr_2O_7+2H_2O$	100	20	2.520												A	A	A	A	A	A	A						
Sodium dihydrogen phosphate	Natriumdihydrogenfosfat	NaH_2PO_4	10	20	1.070													A	A								A		
Sodium diphosphate	Natriumdifosfat	Na_2HPO_4	100	20				C		A					A	A							A	C					
Sodium disulphite	Natriumdisulfit	$Na_2S_2O_5$	100	20														A	A				A				A		
Sodium dithionite	Natriumditionit (Hydrosulfit)	$Na_2S_2O_4$	10	20																									
Sodium dithionite	Natriumditionit (Hydrosulfit)	$Na_2S_2O_4$	100	20																									
Sodium ethylate (Sodium ethoxide)	Natriumetylat	NaC_2H_5O	100	20					D						A					A									
Sodium ferricyanide, saturated	Natriumferricyanid, mättad		100	20												A	A	A	A	A	A	A	A						
Sodium ferricyanide, saturated	Natriumferricyanid, mättad		100	80													B	B	A	A									
Sodium ferrocyanide, saturated	Natriumferrocyanid, mättad		100	20													A	A	A	A	A	A	A						
Sodium ferrocyanide, saturated	Natriumferrocyanid, mättad		100	80													B	B	A	A									
Sodium fluoride	Natriumfluorid	NaF	5	20	1.050				A		D				A		A	A	A	A	A	A	A				A		A
Sodium fluoride	Natriumfluorid	NaF	100	20	2.550				C		D				A		A	A	A	A	A	A	A						
Sodium fluorsilicate	Natriumfluorsilikat	Na_2SiF_6	100	20	2.680																								
Sodium formate	Natriumformiat	$NaHCO_2$	46	20					A				A		A				A	A							A		
Sodium hexametaphosphate (Calgon)	Natriumhexametafosfat (Calgon)	$(NaPO_3)_6$	100	20				C								A					A		A	A					
Sodium hydrogen difluoric	Natriumhydrogendifluoric	$NaHF_2$	100	25	2.080																								
Sodium hydrogen phosphate	Natriumhydrogenfosfat	Na_2HPO_4	6	20	1.070													A	A										
Sodium hydrosulphate	Natriumhydrosulfat	$NaHSO_4$	100	20	2.440			C					B		A	A	A	A	A	A	A	A	A	C					
Sodium hydrosulphate	Natriumhydrosulfat	$NaHSO_4•H_2O$	100	20	2.100			C					B		A	A	A	A	A	A	A	A	A	C					
Sodium hydrosulphide	Natriumhydrosulfid	NaHS	100	20	1.790																								
Sodium hydrosulphite	Natriumhydrosulfit (Natriumditionit)	$Na_2S_2O_4•2H_2O$, $Na_2S_2O_4$	100	20	1.400													A	A										
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	10	20	1.22			D	D	A	B				A	A	A	A	A	A	C	A	A	A	A				
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	15	20	1.160			D	D	A	B				A	A	A	A	A	A	C	A	A	A	A				A
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	15	60				D	A	A	B				A	A	A	A	B	A	D	A	A	A					
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	15	80				D	A	A	B				A	A	B	B	C	A	D	B	C	A					
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	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)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	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)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	30	40				D	A	C	B				A	A	A	A	A	A	D	A	A	C	A				
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	30	60				D	A	C	B				A	A	A	A	B	A	D	A	A	C					
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	30	80				D	A	C	B				A	A	B	B	C	A	D	A	A	C					
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	40	20	1.43	14					B							C	A	A	C	A	A	A	A				
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	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)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	50	40				D	A		B	A	A		B	A	A	A	B	A	D	A	A	B	A				
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	50	60				D	A		B	A	A		B	A	A	A	C	A	D	A	A	B	A				
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	50	80				D			B	A	A		B	A	B	B	D	A	D	A	A	B					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	70	20				D	D		B					A	A	B	A	A	D	A	D	B					
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	70	40				D	D		B					A	A	B	B	A	D	A	D	B					
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	70	60				D	D		B					A	A	B	C	A	D	A	D	B					
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	70	80				D	D		B					A	B	B	D	A	D	B	D	B					
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut)	$NaOH+H_2O$	80	20				D	D		B	B	B		C	A	A	A		A	D	A	D	B					
Sodium hydroxide (Caustic soda)	Natriumhydroxid (Lut, Natronlut), fast	NaOH	100	20	2.130																								
Sodium hypochlorite	Natriumhypoklorit	NaClO	5	20	1.020		2.3	D	D	D																A			
Sodium hypochlorite	Natriumhypoklorit	NaClO	13	20	1.200	1		D	D	D			A		C	A	A	B	A	A	D	D	D	B		A			
Sodium hypochlorite	Natriumhypoklorit	NaClO	13	60				D	D	D			A		C	A	B	C	B	A	D	D	D	B		A			
Sodium hypochlorite	Natriumhypoklorit	NaClO	20	20				D	D	D			A		C	A	A	A		A	A	B	B	B					
Sodium hypochlorite, solution	Natriumhypoklorit, lösning	NaClO	100	20	1.220			D	D	D			A		C	C		A		A	A	D	D	B			A		
Sodium iodide	Natriumjodid	NaI	100	20					A						D			A	A	A			A				A		
Sodium metaphosphate	Natriummetafosfat	$NaPO_3$	100	20				C	A	D					A	A		A		A	A	A	A	B					
Sodium metasilicate	Natriummetasilikat	$NaSiO_3$	100	20				A		A					A	A	A	A	A	A	A	A	A	A					
Sodium methylate	Natriummetylat	$NaCH_3O$	100	20																									
Sodium monophosphate, di, tri	Natriummonofosfat, di, tri	NaH_2PO_4	100	20				A		D					C	A					A		A	A					
Sodium nitrate	Natriumnitrat	$NaNO_3$	4	20	1.030			C	A	A	B				A	A	A	A	A	A	A	A	A	C					
Sodium nitrate	Natriumnitrat	$NaNO_3$	45	20	1.370			C	A	A	B		A		A	A	A	A	A	A	A	A	A	C			A		A
Sodium nitrate, saturated	Natriumnitrat, mättad	$NaNO_3$	100	20	2.260			C	A	A	B				B	A	A	A	A	A	A	A	A	C					
Sodium nitrate, saturated	Natriumnitrat, mättad	$NaNO_3$	100	80				C	A	A	B				B	A	A	A	A	A	A	A	B	C					
Sodium nitrite	Natriumnitrit	$NaNO_2$	50	20					A				A				A	A	A	A	A	A	A				A		A
Sodium nitrite, saturated	Natriumnitrit, mättad	$NaNO_2$	100	20	2.170				A								A	A	A	A	A	A	A						
Sodium nitrite, saturated	Natriumnitrit, mättad	$NaNO_2$	100	80					A								B	A	A	A	A	A	B						
Sodium oleate	Natriumoleat	$NaC_{17}H_{33}CO_2$	100	20					A				A		A					A							A		
Sodium orthophenylphenate	Natriumortofenylfenat	$NaC_6H_5C_6H_4O$	100	20											A	A							D	A					
Sodium oxalate	Natriumoxalat	$Na_2C_2O_4$	3,3	20					A						A			A	A	A			A				A		
Sodium oxalate	Natriumoxalat	$Na_2C_2O_4$	100	20																									
Sodium palmitate	Natriumpalmitat		100	20															A	A									
Sodium palmitate solution	Natriumpalmitatlösning		5	20															A	A									
Sodium perborate	Natriumperborat	$NaBO_3+4H_2O$, $NaBO_2H_2O_2$	100	20				D	D	C	B				C	A	C	A	A	A	A	A	B	D			A		
Sodium perchlorate	Natriumperklorat	$NaClO_4+H_2O$	10	20	1.070										A		A	A	A	A									
Sodium perchlorate	Natriumperklorat	$NaClO_4+H_2O$	25	20	1.180				A				A		A		A	A	A	A									A
Sodium perchlorate	Natriumperklorat	$NaClO_4+H_2O$	100	20	2.020										A		A	A	A	A									
Sodium perchlorate	Natriumperklorat	$NaClO_4+H_2O$	100	80											A		B	B	A	A									
Sodium perdisulfate	Natriumperdisulfat	$Na_2S_2O_8$	100	20														A	A										
Sodium peroxide	Natriumperoxid	Na_2O_2	5	20				D	D		C	B	B		A	A	A	A	A	A	A	A	A	D			D		A
Sodium peroxide	Natriumperoxid	Na_2O_2	10	20	1.110			D	D		C	B	B		A	A	A	A	A	A	A	A	A	D					

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Sodium peroxide	Natriumperoxid	Na_2O_2	50	20				D	D	D		B	B		A	A	A	A	A	A	A		A	A					
Sodium peroxide	Natriumperoxid	Na_2O_2	100	20	2.810			D	D	C		B	B		A	A	A	A	A	A	A	A	A	D					
Sodium peroxide	Natriumperoxid	Na_2O_2	100	80				D	D	C		B	B		A	A	B	B	A	A	A	A		D					
Sodium persulphate	Natriumpersulfat	$Na_2S_2O_8$	100	20					D						A			A	A	A			D				A		
Sodium phosphate acid	Natriumfosfatsyra		100	20													A	A	A	A	A	A	A						
Sodium phosphate acid	Natriumfosfatsyra		100	80													B		A	A	A	A	A						
Sodium phosphate, alkaline	Natriumfosfat, alkalisk		100	20							C				A		A	A	A	A	A	A	A						
Sodium phosphate, neutral	Natriumfosfat, neutral	Na_3PO_4	100	20				C	A		C				A	A	A	A	A	A	A	A	A	B	A		A		
Sodium phosphate, neutral	Natriumfosfat, neutral	Na_3PO_4	100	80					B		C				A	A	B	A	A	A	A	A	B						
Sodium phosphate, primary	Natriumfosfat, primär	$NaH_2PO_4+12H_2O$	10	20	1.070		2.2		D		C				A														
Sodium phosphate, primary	Natriumfosfat, primär	$NaH_2PO_4+12H_2O$	100	25	1.910				D		C				A														
Sodium phosphate, secondary	Natriumfosfat, sekundär	$NaH_2PO_4+12H_2O$	50	20	1.250		2.3		D		C				A														
Sodium phosphate, secondary	Natriumfosfat, sekundär	$NaH_2PO_4+12H_2O$	100	25	1.520				D		C				A														
Sodium phosphate, tertiary	Natriumfosfat, tertiär	$Na_3PO_4+12H_2O$	100	25	1.620				D		C				A														
Sodium polyphosphate	Natriumpolyfosfat		100	20				C		D					A	A					A	A	A	C					
Sodium propionate	Natriumpropionat	$CH_3CH_2CO_2Na$	4	20	1.040				A									A	A	A							A		
Sodium pyrophosphate	Natriumpyrofosfat	$Na_4P_2O_7$	100	20														A	A										
Sodium silicate	Natriumsilikat (Vattenglas)	Na_2SiO_3	20	20	1.240			C	A	A	B				A	A		A	A	A	A	A	A	A	A	A	A			A
Sodium silicate	Natriumsilikat (Vattenglas)	Na_2SiO_3	100	20	2.400			C	D	A	B				B	A		A	A	A	A	A	A	A	A	A	A			
Sodium silicofluoride	Natriumsilikofluorid	Na_2SiF_6	100	20					D									A	A										
Sodium sulphate (Glauber's salt)	Natriumsulfat (Glaubersalt)	Na_2SO_4, $Na_2SO_4+10H_2O$	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)	Natriumsulfat (Glaubersalt)	Na_2SO_4, $Na_2SO_4+10H_2O$	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)	Natriumsulfat (Glaubersalt)	Na_2SO_4, $Na_2SO_4+10H_2O$	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)	Natriumsulfat (Glaubersalt)	Na_2SO_4, $Na_2SO_4+10H_2O$	100	20				B	A	A	B	B	B		B	A	A	A	A	A	A	A	A	D		A			
Sodium sulphate, saturated	Natriumsulfat, mättad	Na_2SO_4	100	20				B	A	A	B	B	B		B	A	A	A	A	A	A	A	A	D		A			
Sodium sulphate, saturated	Natriumsulfat, mättad	Na_2SO_4	100	80				B	A	A		B	B		B	A	A	A	A	A	A	A	B	D		A			
Sodium sulphide	Natriumsulfid	Na_2S, Na_2S+9H_2O	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	Natriumsulfid	Na_2S, Na_2S+9H_2O	20	20	1.070		2.2	D	D	A	B	B	A		B	A	A	A	A	A	A	A	A	A		A			
Sodium sulphide	Natriumsulfid	Na_2S, Na_2S+9H_2O	100	20	1.856			D	D	A	B	B	A		B	A	A	A	A	A	A	A	A	A		A			
Sodium sulphide	Natriumsulfid	Na_2S, Na_2S+9H_2O	100	20	1.420			D	D	A	B	B	A		B	A	A	A	A	A	A	A	A	A		A			
Sodium sulphide	Natriumsulfid	Na_2S, Na_2S+9H_2O	100	80				D	D	A	B	B	A		B	A	A	A	A	A	A	A	B	A		A			
Sodium sulphite	Natriumsulfit	Na_2SO_3, $Na_2SO_3+7H_2O$	18	20	1.180			C	A	A	B				A	A	A	A	A	A	A	A	A	A			A		A
Sodium sulphite	Natriumsulfit	Na_2SO_3, $Na_2SO_3+7H_2O$	40	20				C	A	A	B				A	A	A	A	A	A	A	A	A	A			A		A
Sodium sulphite	Natriumsulfit	Na_2SO_3, $Na_2SO_3+7H_2O$	100	20	1.530			C		A						A	A	A	A	A	A	A	A	A					
Sodium sulphite	Natriumsulfit	Na_2SO_3, $Na_2SO_3+7H_2O$	100	80				C		A						A	A	A	A	A	B	B		A					
Sodium tartrate	Natriumtartrat	$C_4H_4O_6Na_2$	50	20									A														A		
Sodium tetraborate (Borax), saturated	Natriumtetraborat (Borax) mättad	$Na_2B_4O_7+10H_2O$	100	20	1.030			A	C	A	C		A		A	A	A	A	A	A	A	A	A	C			A		

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Sodium tetraborate (Borax), saturated	Natriumtetraborat (Borax) mättad	$Na_2B_4O_7+10H_2O$	100	40				A	C	A	C		A		A	A	A	A	A	A	A	A	B	C					
Sodium tetraborate (Borax), saturated	Natriumtetraborat (Borax) mättad	$Na_2B_4O_7+10H_2O$	100	60				A	C	A	C		A		A	A	A	A	A	A	A	A	C	C					
Sodium tetraborate (Borax), saturated	Natriumtetraborat (Borax) mättad	$Na_2B_4O_7+10H_2O$	100	80				A	C	A	C		A		A	A	A	A	A	A	A		D	C					
Sodium thiocyanate	Natriumtiocyanat		100	20													A	A	A	A	A	A	A						
Sodium thiosulphate	Natriumtiosulfat	$Na_2S_2O_3$, $Na_2S_2O_3+5H_2O$	40	20				D	A	C					A	A	A	A	A	A	A	A	A	A			A		
Sodium thiosulphate	Natriumtiosulfat	$Na_2S_2O_3$, $Na_2S_2O_3+5H_2O$	100	20	1.730			D	A	C					A	A	A	A	A	A	A	A	A	A					
Sodium thiosulphate	Natriumtiosulfat	$Na_2S_2O_3$, $Na_2S_2O_3+5H_2O$	100	80				D	A	C					A	A	B	A	A	A	A	A	B	A					
Sodium triphosphate	Natriumtrifosfat	Na_3PO_4	100	20				D		A					A	A							A	C					
Sodium tripolyphosphate	Natriumtripolyfosfat	$Na_5P_3O_{10}$	100	20				D		D					A	A							A						
Sodium, saturated	Natrium, mättad	Na	100	20	0.970		0										A	A	A	A	A	A	A						
Sodium, saturated	Natrium, mättad	Na	100	80													B	B	A	A	A	A	B						
Sour crude oil	Råolja, sur		100	20														A	A	A	A	D	B						
Soya sauce	Sojasås		100	20				A		D					A	A					A		A	A					
Soybean oil	Sojabönolja		100	20	0.940	60		A	A	A					A	A	A	A	A	A	A	A	A	D		C			
Soybean oil	Sojabönolja		100	80		12		A	A	A					A	A	B	B	A	A	A	C	D	D		C			
Sperm oil	Valravolja		100	20	0.88	27		A		A					A	A	A				A		A	D					
Spindle oil	Spindelolja		100	20					A									A	A	A	A		A						
Spinning acid	Spinnsyra över 10%	H_2SO_4 - haltig	10	20											D			A	A										
Spinning bath acids	Spinnbadsyror	CS_2 - haltig	100	20									A					A	A				D						
Stannic chloride (Tin (IV) chloride)	Tenn (IV) klorid (Stanniklorid)	$SnCl_4$	100	20	3.950			D	D	D	D				A	A	A	A	A	A	A	A	A	A					
Stannic chloride (Tin (IV) chloride)	Tenn (IV) klorid (Stanniklorid)	$SnCl_4$	100	80				D	D	D	D				A	A	B	B	A	A	A		A	A					
Stannic fluoborate	Tennfluoborat	$Sn(BF_4)_2$	100	20				D		D					A	A					A		A	A					
Stannous chloride (Tin (II) chloride)	Tenn (II) klorid (Stannoklorid)	$SnCl_2$, $SnCl_2+2H_2O$	20	20	1.170				D		D		A		D		A	A	A	A	A	B	A	A			A		A
Stannous chloride (Tin (II) chloride)	Tenn (II) klorid (Stannoklorid)	$SnCl_2$, $SnCl_2+2H_2O$	100	20	2.710				D		D		A		D		A	A	A	A	A	B	A	A			A		A
Stannous chloride (Tin (II) chloride)	Tenn (II) klorid (Stannoklorid)	$SnCl_2$, $SnCl_2+2H_2O$	100	80					D		D		A		D		B	B	A	A	A		A	A					
Stannous sulphate	Tennsulfat	$SnSO_4$	100	20														A	A								A		
Stannous tetrachloride	Tenntetraklorid	$SnCl_4$	100	20	2.330										D			A	A	A							A		A
Starch	Stärkelse	$(C_6H_{10}O_5)_X$	100	20				A	A	C	C				A	A	A	A	A	A	A	A	A	A			A		
Starch syrup	Stärkelsesirap		100	20					A									A	A	A	A		A						
Steam above 150 C	Ånga över 150 C		100						A						A						D		D	D					
Steam under 150 C	Ånga under 150 C		100						A						A				A	A	D		D	C					
Stearic acid	Stearinsyra	$C_{17}H_{35}COOH$	100	20	0.940			C	A		C	A	A		A	A	A	B	A	A	A	D	B	C			A		
Stearic acid	Stearinsyra	$C_{17}H_{35}COOH$	100	60				C	A		C	A	A		A	A	A	B	A	A	B	D	B	C					
Stearic acid	Stearinsyra	$C_{17}H_{35}COOH$	100	80				C			C	A	A		A	A	B	C	A	A	C	D		C					
Stoddard solvent	Stoddards lösningsmedel		100	20				A	A	A					A	A	A	A		A	A	D	A	D					
Strontium nitrate	Strontiumnitrat	$Sr(NO_3)_2$	40	20	1.420													A	A								A		
Strontium nitrate	Strontiumnitrat	$Sr(NO_3)_2$	100	20	2.986																								

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Strontium peroxide	Strontiumperoxid	SrO_2	100	20	4.560																								
Styrene	Styrol (Styren) (Vinylbensol)	$C_6H_5CHCH_2$, C_8H_8	100	20	0.910	11	0.6		A						A	A		C	A	A	C	D	C	D	A				
Succinic acid (Amber acid)	Bärnstenssyra	$C_4H_6O_4$, $C_2H_4(COOH)_2$	50	20	1.060				A				A		A		A	A	A	A	A	A	A			A		A
Succinic acid (Amber acid)	Bärnstenssyra	$C_4H_6O_4$, $C_2H_4(COOH)_2$	100	20													A	A	A	A	A	A	A					
Succinic acid (Amber acid)	Bärnstenssyra	$C_4H_6O_4$, $C_2H_4(COOH)_2$	100	80													B	B	A	A								
Sucrose solution	Sackaroslösning		100	20					B						A					A	A	A	A	A					
Sugar	Socker		100	20				A	A	A			A		A	A		A		A	A		A	A					
Sugar solution	Sockerlösning		100	20					A				A			A		A	A	A	A		A	A					
Sugar syrup	Sockersirap		100	20																									
Sulfamic acid	Sulfaminsyra	NH_2SO_3H	20	20													D	D	D										
Sulfanilic acid	Sulfanilsyra	$C_6H_4NH_2SO_3$	100	20															A							A			
Sulforous oxychloride	Sulfinylklorid (Tionylklorid)	$SOCl_2$	100	20	1.640		12.4																						
Sulphate liquor (Black liquor)	Sulfatlut (Kokvätska)	$Ca(HSO_3)_2$	100	20				D		D			A		C	A					A	A	A	A					
Sulphinol	Sulfinol		100	20																A									
Sulphite liquor	Sulfitlut		6	20				D	D						A	A	A	A	A	A	A	A	D	B					
Sulphite liquor, paper processes	Sulfitlut, pappersfabriker		100	20				A		A					A	A		A	A					A					
Sulphite liquor, pulp processes	Sulfitlut, massafabriker		100	20				D		C					A	A		A	A				A	A					
Sulpholane	Sulfolan	$C_4H_8O_2S$	100	20																									
Sulphur	Svavel	S	100	20	2.060			D	A	A					A		A	A	A	A	A	C	D	A					
Sulphur	Svavel	S	100	80				D	A	A					A		B	A	A	A			D	A					
Sulphur chloride	Klorsvavel (Svavelklorid)	S_2Cl_2	100	20	1.680			D	D	D					D	C		C	A	A	A	D	C	D					
Sulphur chloride	Klorsvavel (Svavelklorid)	S_2Cl_2	100	40				D	D	D					D	C		D	A	A		D		D					
Sulphur chloride	Svavelklorid (Klorsvavel)	S_2Cl_2	100	20	1.680			D	D	D	D				D	C		C	A	A	A	D	C	D			A		A
Sulphur chloride	Svavelklorid (Klorsvavel)	S_2Cl_2	100	40				D	D	D	D				D	C		D	A	A		D		D					
Sulphur dichloride	Svaveldiklorid	SCl_2	100	20														C	A	A	A	D	D						
Sulphur dichloride	Svaveldiklorid	SCl_2	100	40														D				D	D						
Sulphur dioxide, aqueous	Svaveldioxid, flytande	SO_2	100	20																									
Sulphur dioxide, dry	Svaveldioxid, torr	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)	Svaveldioxid, fuktig	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)	Svaveldioxid, fuktig	SO_2	100	80				D	D	A			B		B	A	B	B	A	A		D	D				A		A
Sulphur hexafluoride	Svavelhexafluorid	SF_6	100	20																A	A	A	B	A		A			
Sulphur trioxide	Svaveltrioxid	SO_3	100	20	1.990			A	D						C	A	D	D	D	B	C	C	D	D	A		D		
Sulphur trioxide	Svaveltrioxid	SO_3	100	40				A	D						C	A	D	D	D		D	D	D	D	A		D		
Sulphuric acid	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_4	10	80				D	D	D	D	C	A		C	A	A	A	A	A	A	A	B	D	A	A			
Sulphuric acid	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_4	20	20	1.140			D	D	D	D	C	A		C	A	A	A	A	A	A	A	A	D	A	A			

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Sulphuric acid	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_4	30	80				D	D	D	D	C	B		D	A	A	A	A	A	A	B	B	D		A			
Sulphuric acid	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_4	50	40				D	D	D	D	C	B		D	A	A	A	A	A	A	A	B	D	A	A			
Sulphuric acid	Svavelsyra	H_2SO_4	50	80				D	D	D	D	C	B		D	A	A	A	A	A	A	B	C	D		A			
Sulphuric acid	Svavelsyra	H_2SO_4	60	20	1.500			D	D	D	D	C	B		D	A	A	A	A	A	A	A	A	D	A				
Sulphuric acid	Svavelsyra	H_2SO_4	60	80				D	D	D	D	C	B		D	A	A	B	A	A	A	B	B	D	A				
Sulphuric acid	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_4	70	60				D	D	D	D	C	B		D	A	A	A	A	A	A	B	B	D					
Sulphuric acid	Svavelsyra	H_2SO_4	70	80				D	D	D	D	C	B		D	A	A	B	A	A	A	B	C	D					
Sulphuric acid	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_4	80	60				D	D	D	D	C	A		D	A	B	B	A	A	A	B	C	D					
Sulphuric acid	Svavelsyra	H_2SO_4	80	80				D	D	D	D	C	A		D	A	C	B	A	A	B	C	C	D					
Sulphuric acid	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_4	90	40				D	D	D	D	C	A		D	A	A	A	A	A	A	B	C	D					
Sulphuric acid	Svavelsyra	H_2SO_4	90	60				D	D	D	D	C	A		D	A	B	B	A	A	A	C	C	D					
Sulphuric acid	Svavelsyra	H_2SO_4	90	80				D	D	D	D	C	A		D	A	C	B	A	A	B	D	C	D					
Sulphuric acid	Svavelsyra	H_2SO_4	93	20				D	D	D	D	C	A		D	A	A	A	A	A	A	B	C	D					
Sulphuric acid	Svavelsyra	H_2SO_4	93	40				D	D	D	D	C	A		D	A	A	A	A	A	A	B	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	93	60				D	D	D	D	C	A		D	A	B	B	A	A	B	C	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	93	80				D	D	D	D	C	A		D	A	C	B	A	A	B	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	94	20				D	D	D	D	C	A		D	A	A	B	A	A	A	C	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	94	40				D	D	D	D	C	A		D	A	B	B	A	A	B	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	94	60				D	D	D	D	C	A		D	A	C	B	A	B	C	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	94	80				D	D	D	D	C	A		D	A		C	B	B	C	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	95	20				D	D	D	D	C	A		D	A	A	C	A	A	A	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	95	40				D	D	D	D	C	A		D	A	B		A	A	C	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	95	60				D	D	D	D	C	A		D	A	C		A	B	C	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	95	80				D	D	D	D	C	A		D	A			B	B		D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_4	96	40				D	D	D	D	A	A		A	A	B	D	A	A	C	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	96	60				D	D	D	D	A	A		A	A	C	D	A	B	D	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	96	80				D	D	D	D	A	A		A	A	D	D	B	B	D	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_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	Svavelsyra	H_2SO_4	98	40				D	D	D	D	A	A		A	A	C	D	A	B	D	D	D	D					

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Sulphuric acid	Svavelsyra	H_2SO_4	98	60				D	D	D	D	A	A		A	A	D	D	B	B	D	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	98	80				D	D	D	D	A	A		A	A	D	D	C	B	D	D	D	D					
Sulphuric acid	Svavelsyra	H_2SO_4	100	20	1.840			D	D	D	D	A	A		A	A	D	D	D	B	D	D	D	D					
Sulphurous acid	Svavelsyrlighet	H_2SO_3	100	20	1.030			D	D	D	D		B		B	A	A	A	A	A	A	A	C	D			A		A
Sulphurous acid	Svavelsyrlighet	H_2SO_3	100	80				D	D	D	D		B		B	A	B	A	A	A	B	A		D			A		A
Sulphuryl chloride, dry	Sulfurylklorid (Sulfonylklorid), torr	SO_2Cl_2	100	20	1.667	1	13.3		A									D		A	A		D				A		
Sulphuryl chloride, humid	Sulfurylklorid (Sulfonylklorid), fuktig	SO_2Cl_2	100	20	1.667	1	13.3		D									D		A	A		D				A		
Sweet sorghum	Sockerhirs		100	20				D		A					A	A					A		A	A					
Syrup	Sirap		100	20				D	B		C				A	A	A	A		A	A	B	A	A					
Syrup, brown	Sirap, brun		100	20	1,4	9300		D	B		C				A	A	A	A		A	A	B	A	A					
Syrup, brown	Sirap, brun		100	30	1,4	2800		D	B		C				A	A	A	A		A	A	B	A	A					
Syrup, brown	Sirap, brun		100	40	1,4	1000		D	B		C				A	A	A	A		A	A	B	A	A					
Syrup, dark	Sirap, mörk		100	20	1,4	7800		D	B		C				A	A	A	A		A	A	B	A	A					
Syrup, dark	Sirap, mörk		100	30	1,4	2300		D	B		C				A	A	A	A		A	A	B	A	A					
Syrup, dark	Sirap, mörk		100	40	1,4	900		D	B		C				A	A	A	A		A	A	B	A	A					
Syrup, white	Sirap, vit		100	20	1,4	8200		D	B		C				A	A	A	A		A	A	B	A	A					
Syrup, white	Sirap, vit		100	30	1,4	2300		D	B		C				A	A	A	A		A	A	B	A	A					
Syrup, white	Sirap, vit		100	40	1,4	900		D	B		C				A	A	A	A		A	A	B	A	A					
Tall oil (Pine oil), crude	Tallolja, rå		100	20	0.970			D	A	C	B				A	A	A	A	A	A	A	D	A	D					
Tallow, pure	Talg, ren		100	20											A	A		A	A	A	A	A	A	A	A				
Tannic acid	Garvsyra (Tannin, Digallussyra)	$C_2O_6H_6$, $C_{76}H_{52}O_{46}$	10	20	1.035			A	C	C	C				C	A	A	A	A	A	A		A	A		A			
Tannic acid	Garvsyra (Tannin, Digallussyra)	$C_2O_6H_6$, $C_{76}H_{52}O_{46}$	50	20				A	C	C	C				C	A	A	A	A	A	A		A	A			A		
Tannic acid	Garvsyra (Tannin, Digallussyra)	$C_2O_6H_6$, $C_{76}H_{52}O_{46}$	100	20				A	C	C	C				C	A	A	A	A	A	A	B	B	A					
Tanning extracts	Garvextrakt		100	20					A				A					A	A	A	A		A						
Tanning liquor	Garvningsvätska		100	20				A					A		A	A	A	A	A	A		B	A	A					
Tanning oil	Garvolja		100	20											A	A					A		A	D					
Tar	Tjära		100	20					A		B		A		A		D	B	A	A	A	D	A	C			A		
Tar oil	Tjärolja (Beckolja)		100	20					A									D		A	A		D				A		
Tartaric acid	Vinsyra	$C_2H_2(OH)_2(COOH)_2$, $C_4H_6O_6$	10	20				A	A	C	D	B				A	A	A	A	A	A	A	A	A		C	A		
Tartaric acid, saturated	Vinsyra, mättad	$C_2H_2(OH)_2(COOH)_2$, $C_4H_6O_6$	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	Vinsyra, mättad	$C_2H_2(OH)_2(COOH)_2$, $C_4H_6O_6$	100	60				A	A	C	D	B	B		B	A	B	B	A	A		A	A	A		C			
Tartaric acid, saturated	Vinsyra, mättad	$C_2H_2(OH)_2(COOH)_2$, $C_4H_6O_6$	100	80				A		C	D	B	B		B	A	B	C	A	A		A	A	A		C			
Terpineol	Terpineol	$C_{10}H_{18}O$	100	20					A						A					A	A	C	B	D					
Tertiary butyl alcohol	Tertiärbutylalkohol		100	20													A	A	A	A	A	B	D	B					
Tertiary butyl catechol	Tertiärbutylkatekin		100	20					C						B						A	B	D	B					
Tertiary butyl mercaptan	Tertiärbutylmerkaptan		100	20																	A		D	D					
Tetrabromomethane	Tetrabrommetan		100	20																	A		D						

Liquid Guide

JOHNSON PUMP

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Tetrachlorethylene, dry, pure	Tetrakloretylen (Perkloretylen), torr, ren	C_2Cl_4, CCl_2CCl_2	100	20	1.623	1	1.9		A						A			D	A	A	A	D	D	D	A		A		
Tetrachlorethylene, humid, pure	Tetrakloretylen (Perkloretylen), fuktig, ren	C_2Cl_4, CCl_2CCl_2	100	20	1.623	1	1.9		D						A			D	A	A	A	D	D	D	A		A		
Tetrachloroethane, pure	Tetrakloretan, ren	Cl_2CH-$CHCl_2$, $(Cl_2CH)_2$	100	20	1.590		0.8	C		C					A	A		D	A	A	A	D	D	D	A		A		
Tetrachloromethane	Tetraklormetan (Koltetraklorid)	CCl_4	100	20	1.590			B					A		A	A		D	A	A	A	D	D	D	C				
Tetraethyl lead (Motor fuel)	Tetraetylbly (Motorbränsle)	$Pb(C_2H_5)_4$, $Pb(CH_3$-$CH_2)_4$	100	20	1.660					A					A	A		A	A	A	B	D	D	C					
Tetraethyl lead, pure	Blytetraetyl, ren	$Pb(CH_3$-$CH_2)_4$, $Pb(C_2H_5)_4$	100	20	1.660				B	A					A	A		A	A	A	B	D	D						
Tetrahydrofuran, pure	Tetrahydrofuran, ren	C_4H_8O, $(CH_2)_4O$	100	20	0.888	12	20	D	C				A		A	A	D	B	B	A	D	D	D	D	A	C	A		
Tetrahydrofuran, pure	Tetrahydrofuran, ren	C_4H_8O, $(CH_2)_4O$	100	40				D	C				A		A	A	D	C	C	A	D	D	D	D	A	C			
Tetrahydrofuran, pure	Tetrahydrofuran, ren	C_4H_8O, $(CH_2)_4O$	100	60				D	C				A		A	A	D	D		A	D	D	D	D		C			
Tetrahydrofuran, pure	Tetrahydrofuran, ren	C_4H_8O, $(CH_2)_4O$	100	80				D	C						A	A	D	D		B	D	D	D	D		C			
Tetraline (Tetrahydronaphthalene), pure	Tetralin (Tetrahydronaftalin), ren	$C_{10}H_{12}$	100	20	0.970		0.1		A						A	A		D	A	A	A	D	C	D			A		
Tetramethyl lead	Tetrametylbly	$Pb(CH_3)_4$	100	20	1.990																								
Tetramethylene dichloride	Tetrametylendiklorid	$CH_2ClCH_2CH_2CH_2Cl$	100	20	1.140		0.5																						
Tetrametyl ammonium hydroxide	Tetrametylammoniumhydroxid		50	20															A	A									
Tetrametyl ammonium hydroxide	Tetrametylammoniumhydroxid		50	60															B	A									
Tetrapropylene	Tetrapropylen	$C_{12}H_{24}$	100	20	0.760																								
Thioglycolic acid	Tioglykolsyra	$HSCH_2COOH$	80	20	1.320			D	D	D					A	A								C					
Thioglycolic acid	Tioglykolsyra	$HSCH_2COOH$	100	25	1.330			D	D	D					A	A								C					
Thionylchloride, pure	Tionylklorid, ren	$SOCl_2$	100	20	1.640		13.3	D	A	D					D		C	D	D	A	A		D	D			A		
Thorium nitrate	Thoriumnitrat	$Tn(NO_3)_4$	100	20																									
Tin	Tenn	Sn	100	25	5.750																								
Tin dichloride (Stannous chloride)	Tenn (II) klorid (Stannoklorid)	$SnCl_2$, $SnCl_2$+$2H_2O$	100	20					D		D		A		D														
Tin, plating solution	Tenn, ytbehandlingslösning		100	20								A	A		A	A	A	A	A	A	A	A	A	A					
Tin, plating solution	Tenn, ytbehandlingslösning		100	60								A	A		A	A	B	B	A	A	A	B	A	A					
Tin, plating solution	Tenn, ytbehandlingslösning		100	80								A	A		A	A			A	A	B		A	A					
Titanium sulfate	Titansulfat	$Ti(SO_4)_2$	100	20													A	A	A	A									
Titanium tetrachloride	Titantetraklorid	$TiCl_4$	100	20	1.730		1.3		D						B				A	A	A	D	C	D					
Toluene	Toluen (Toluol, Metylbensen)	$C_6H_5CH_3$, C_7H_8	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	Toluen (Toluol, Metylbensen)	$C_6H_5CH_3$, C_7H_8	100	40				D	A	A	A				A	A	D	C	A	A		D	D	D	A	C			
Toluene	Toluen (Toluol, Metylbensen)	$C_6H_5CH_3$, C_7H_8	100	60				D	A	A	A				A	A	D	D	B	A		D	D	D		C			
Toluene	Toluen (Toluol, Metylbensen)	$C_6H_5CH_3$, C_7H_8	100	80				D	A	A	A				A	A	D	D	C	A		D	D	D		C			
Tomato juice	Tomatsaft		100	20					A						A	A		A	A	A	A		A	A					
Tooth paste	Tandkräm		100	20				A		D					A	A					A		A	C					
Transformer oil (Switch oil)	Transformatorolja		100	20				A	A	A					A	A		A	A	A	D	D	A	D					
Transmission fluid	Transmissionsolja		100	20	0.95	11		A		A					A	A					A								
Triacetin, pure	Triacetin, ren		100	20					B												B	A	B	B					
Triamylamine	Triamylamin	$(C_5H_{11})_3N$	100	25	0.790		0.9																						

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Tributyl phosphate	Tributylfosfat	$(C_4H_9)_3PO_4$	100	20	0.980				A						A	A	C	B	A	A	D	B	D	D		C			
Tributyl phosphate	Tributylfosfat	$(C_4H_9)_3PO_4$	100	60					A						A	A	C	C	C	A	D		D	D		C			
Tributyl phosphate	Tributylfosfat	$(C_4H_9)_3PO_4$	100	80					A						A	A	C		D		D		D	D		C			
Tributylamine	Tributylamin	$(C_4H_9)_3N$	100	20	0.780																								
Trichloroacetic acid	Triklorättiksyra	CCl_3COOH, CCl_3CO_2H	50	20				A	D	D			A		D			A	A	A	D	C	D	D	A		A		
Trichloroacetic acid	Triklorättiksyra	CCl_3COOH, CCl_3CO_2H	100	20	1.620			A	D	D			A		D	B		A	A	A	D	D	D	B	A		A		
Trichloroacetic acid	Triklorättiksyra	CCl_3COOH, CCl_3CO_2H	100	40				A	D	D			A		D	B		A	B	A	D	D	D	B	A				
Trichloroacetic acid	Triklorättiksyra	CCl_3COOH, CCl_3CO_2H	100	60				A	D	D			A		D	B		A	C	A	D	D	D	B	A				
Trichloroacetic acid	Triklorättiksyra	CCl_3COOH, CCl_3CO_2H	100	80				A	D	D			A		D	B			D	A	D	D	D	B	A				
Trichloroethane (1.1.2 Trichloroethane)	Trikloretan (1.1.2 Trikloretan)	$C_2H_3Cl_3$	100	20	1.340			D	D	D					A	A		A	A	A	A	D	D	D				
Trichloroethylene	Trikloretylen (Trikloreten, Tri)	C_2HCl_3, CCl_2CHCl	50	20				A	D	C			A		A			A	A	A	A		D	D			A		A
Trichloroethylene	Trikloretylen (Trikloreten, Tri)	C_2HCl_3, CCl_2CHCl	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	Trikloretylen (Trikloreten, Tri)	C_2HCl_3, CCl_2CHCl	100	40				A	A	C	C				A	A	D	C	A	A		D	D	D	A				
Trichloroethylene	Trikloretylen (Trikloreten, Tri)	C_2HCl_3, CCl_2CHCl	100	60				A	A	C	C				A	A	D	D	A	A		D	D	D	A				
Trichloroethylene	Trikloretylen (Trikloreten, Tri)	C_2HCl_3, CCl_2CHCl	100	80				A	A	C	C				A	A	D	D	B	A		D	D	D	A				
Trichloromethane (Chloroform), pure	Triklormetan (Kloroform), ren	$CHCl_3$	100	20	1.480			D								A	D	B	A	A	B	D	D	D					
Trichloropane	Triklorpan	$CH_3CHClCHCl_2$	100	20				A		A					A	A					A		D	D					
Trichloropropane	Triklorpropan	$CH_2ClCHClCH_2Cl$	100	20				A		A					A	A					A		A	A					
Tricresyl phosphate (Lindol), pure	Trikresylfosfat, ren	$(C_6H_4CH_3O)_3PO$	100	20	1.130			A	A				A		A	A		A		A	D	A	D	D			A		
Triethanolamine	Trietanolamin	$(C_2H_4OH)_3N$	100	20	1.120			A	B						A	A		D	D	A	D	A	C	A	A		A		
Triethyl phosphate	Trietylfosfat		100	20					A						A					A									
Triethylamine	Trietylamin	$(C_2H_5)_3N$	100	20	0.725		7.1	A					A			A	A	A	B		A		A	B			A		
Triethylamine	Trietylamin	$(C_2H_5)_3N$	100	40				A					A			A	A	A	C		A		A						
Triethylamine	Trietylamin	$(C_2H_5)_3N$	100	60				A					A			A	A	A	D		A		A						
Trimethyl carbinol	Trimetylkarbinol	$(CH_3)_3COH$	100	20	0.790		4																						
Trimethyl propane	Trimetylpropan		100	20															A	A									
Trimethylamine	Trimetylamin	$(CH_3)_3N$	100	20	0.630		250																						
Trimethylene	Trimetylen	C_3H_6	100	20	0.610																								
Trinitrobenzene	Trinitrobensen	$C_6H_3(NO_2)_3$	100	20	1.690																								
Trinitrotoluene	Trinitrotoluol (Trotyl)	$C_6H_2(NO_2)_3CH_3$	100	20	1.654								A		A	A					B	D	D	B					
Trioctyl phosphate	Trioktylfosfat	$(C_8H_{17})_3PO_4$	100	20														A		A	D	A	D	D					
Triphenyl phosphite	Trifenylfosfite		100	20																									
Trisodium phosphate	Trinatriumfosfat		100	20					C						A					A									
Triton oil	Tritonolja		100	20				A		A					A	A					A		A	A					
Tung oil (China-wood oil)	Träolja kinesisk (Tungolja)		100	20					A						B					A	A	D	A	B					
Turbine oil (#140)	Turbinolja		100	20				A	A	A					A	A	A	B	A	A	A	D	A	A					
Turpentine	Terpentin	$C_{10}H_{16}$	100	20	0.860	2	0.67	D	A	A	B				A	A	A	B	A	A	A	B	B	D					

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Turpentine	Terpentin	$C_{10}H_{16}$	100	40				D	A	A	B				A	A	A	C	A	A				D					
Turpentine	Terpentin	$C_{10}H_{16}$	100	60				D	A	A	B				A	A	A	D	A	A				D					
Turpentine oil	Terpentinolja	$C_{10}H_{16}$	100	20	0.860		0.67		A									D	D	A	A		A				A		
Uranium hexafluoride	Uranhexafluorid	UF_6	100	25	5.100																								
Uranium nitrate	Urannitrat	$UO_2(NO_3)_2$+$6H_2O$	100	15	2.807																								
Urea (Carbamide)	Urinämne (Karbamid)	$CO(NH_2)_2$, NH_2CONH_2	30	20																									
Urea (Carbamide)	Urinämne (Karbamid)	$CO(NH_2)_2$, NH_2CONH_2	100	20	1.320			C	A	A	C		A		A	A	A	A	A	A	A	A	A	D			A		
Urea formalin	Karbamidformalin		100	20												A					A		A	C					
Uric acid	Urinsyra	$C_5H_4N_4O_3$	33	20					D				A					A	A	A							A		
Urine	Urin		100	20				C	D						A	A	A	A	A	A	A	A	A	D					
Valclene 200 (Dupont)	Valclene 200 (Dupont)		100	20				A								A					D		A	D					
Vanilla extract	Vaniljextrakt		100	20											A	A					C		A	A					
Varnish	Fernissa		100	20				A	A	C	C				A	A			A	A	A	D	A	D					
Vaseline (Petrolatum), pure	Vaselin, ren		100	20											A	A	A	A	A	A	A	D	A	A			A		
Vaseline oil	Vaselinolja		100	20															A		A		A	B					
Vegetable juice	Vegetabilisk saft (Grönsakssaft)		100	20				C		D					A	A					A		A	D					
Vegetable oil	Vegetabilisk olja		100	20				A	A	C					A	A	A	A	A	A	A	A	A	B					
Vinegar	Ättika		100	20				C	A	C					A	A	A	A	A	A	A	A	C	C					
Vinyl acetate	Vinylacetat (Ättiksyravinylester)	$C_4H_6O_2$, $CH_3COOCH=CH_2$	100	20	0.932	11	12								A		D	A	A	A	D	B	D	A	A				
Vinyl acetate	Vinylacetat (Ättiksyravinylester)	$C_4H_6O_2$, $CH_3COOCH=CH_2$	100	40													D	A	A	A	D	D	D		A				
Vinyl acetylene	Vinylacetylen	$CHCCHCH_2$	100	20												A					A		A	B					
Vinyl bromide	Vinylbromid	$CH_2=CHBr$	100	20	1.516																								
Vinyl chloride	Vinylklorid (Kloreten, Kloretylen)	$CH_2=CHCl$	100	20	0.983	1	340											A	A	A	A	C	D	D	A				
Vinyl ethyl ether	Vinyletyleter	$CH_2=CHOCH_2CH_3$	100	20	0.770		53.2																						
Vinyl fluoride	Vinylfluorid	$CH_2=CHF$	100	20																									
Vinyl methyl ether	Vinylmetyleter	$CH_2=CHOCH_3$	100	20	0.750		148																						
Vinyl styrene	Vinylstyrol	$C_6H_4(CH{:}CH_2)_2$	100	20	0.930																								
Vinylidene fluoride	Vinylidenfluorid	CH_2CF_2	100	20																									
Viscose spinning solution	Viskos spinnlösning		100	20														A	A				D						
Water	Vatten	H_2O	100	20	0.997		2.3		B		C				A		A	A	A	A	A	A	A	A					
Water	Vatten	H_2O	100	60					B		C				A		A	A	A	A	A	A	B	A					
Water	Vatten	H_2O	100	80					B		C				A		A	A	A	A	A	A	C	A					
Water (Sewage water)	Vatten, kloakvatten	H_2O	100	20					B	D	D				A		A	A	A	A	A	A	A	A					
Water, acid, mine	Vatten, surt, gruvvatten	H_2O	100	20				C	D	C					A	A	A	A		A	A		A	C					
Water, chlorinated	Vatten, klorerat	H_2O	100	20				A	C	A					A	A		A	A	A	A		A	A			A		
Water, distilled	Vatten, destillerat	H_2O	100	20	1.000			D	A	D	D				A	A	A	A	A	A	A	A	A	A			A		
Water, distilled, de-ionized	Vatten, destillerat, avjoniserat	H_2O	100	20				D	D		D				A			A	A	A							A		

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Water, fresh	Vatten, färskt	H_2O	100	20				A		A					A	A	A	A	A	A	A	A	A	A					
Water, salt	Vatten, salt	H_2O	100	20				A	B	D					A	A	A	A	A	A	A	A	A	A		A			
Water, salt	Vatten, salt	H_2O	100	40				A	B	D					A	A	A	A	A	A	A	A	B	A		A			
Water, sea water	Vatten, havsvatten	H_2O	100	20	1.020		2.3	A	D	D	D		D		A	A	A	A	A	A	A	A	A	A			A		
Water, sea water	Vatten, havsvatten	H_2O	100	40				A	D	D	D		D		A	A	A	A	A	A	A	A	B						
Wax alcohol	Vaxalkohol		100	20														D	A	A	A		A						
Weed killers	Ogräsmedel		100	20				C							A	A					A		B	C					
Wetting agents	Vätmedel		5	20																									
Whale oil, blubber	Valolja, valtran		100	20	0.920	25-40		A		A					A	A					A		A	D					
Whey	Vassla		100	20											A	A					A		A						
Whisky	Whisky		100	20				C	D	D					A	A	A	A	A	A	A	A	A	A					
Whisky	Whisky		100	60				C	D	D					A	A	A	B	A	A	A	A		A					
White liquor (Pulp Mill)	Vitlut (Sulfatcellulosa)		100	20				D	B	C	C				A	A	A	A	A	A	A	A	A	A					
White liquor (Pulp Mill)	Vitlut (Sulfatcellulosa)		100	60				D	B	C	C				A	A	B	B	A	A		A		A					
White water (Pulp water)	Bakvatten (Mäldvatten)		100	20				A		A					A	A		A			A			A					
White water (Pulp water)	Mäldvatten (Bakvatten)		100	20				A		A					A	A		A			A			A					
Wine vinegar	Vinättika		100	20	0.990				C		D				A			A	A				A						
Wines	Viner		100	20				C	D	D	D				A	A	A	A	A	A	A	A	A	A			A		
Wood oil	Träolja	$C_{10}H_{16}$	100	20	0.860				A						A				A		A		A	B					
Wood sugar solutions	Träsockerlösning (D-Xylose)	$C_5H_{10}O_5$	100	20															A										
Wood tars	Trätjära		100	20					A				A		A				A								A		
Wood vinegar	Träättika		100	20															A										
Xylene (Dimethyl benzene)	Xylol, Xylen (Dimetylbensol)	$C_6H_4(CH_3)_2$	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	Xylidin	$(CH_3)_2C_6H_3NH_2$, $C_8H_{11}N$	100	20	0.990															A	D	D	C	D					
Yeast	Jäst		100	20					A				A		A			A	A	A	A		A				A		
Zinc acetate	Zinkacetat	$Zn(C_2H_3O_2)_2+3H_2O$	100	20											A		A	A	A	A	A	A	A	B					
Zinc acetate	Zinkacetat	$Zn(C_2H_3O_2)_2+3H_2O$	100	80											A		A	A	A	A	A	A	B	B					
Zinc chloride	Zinkklorid (Zinkdiklorid)	$ZnCl_2$	5	20	1.030		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A			
Zinc chloride	Zinkklorid (Zinkdiklorid)	$ZnCl_2$	20	20	1.190		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A	A		A
Zinc chloride	Zinkklorid (Zinkdiklorid)	$ZnCl_2$	30	20	1.220		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A			
Zinc chloride	Zinkklorid (Zinkdiklorid)	$ZnCl_2$	40	20	1.420		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A			
Zinc chloride	Zinkklorid (Zinkdiklorid)	$ZnCl_2$	60	20	1.750		2.2	D	D	D						A	A	A	A	A	A	A	A	A		A			
Zinc chloride	Zinkklorid (Zinkdiklorid)	$ZnCl_2$	75	20	2.070			D	D	D						A	A	A	A	A	A	A	A	A		A	A		A
Zinc chloride	Zinkklorid (Zinkdiklorid)	$ZnCl_2$	100	20				D	D	D		B	C			A	A	A	A	A	A	A	A	A		A			
Zinc chloride, powder	Zinkklorid (Zinkdiklorid), pulver	$ZnCl_2$	100	20	2.910		0	D	D	D		B	C			A	A	A	A	A	A	A	A	A		A			
Zinc cyanide	Zinkcyanid	$Zn(CN)_2$	100	20	1.850																								
Zinc ethyl	Zinketyl	$Zn(C_2H_5)_2$	100	20	1.200		2																						

Liquid Guide

Liquid	Vätska	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	Kalrez	Hytrel	Carbon	Silicon	Ceramic
Zinc hydrosulphite	Zinkhydrosulfit	ZnS_2O_4	100	20				D		D					A	A		A				A	A	A					
Zinc nitrate	Zinknitrat	$Zn(NO_3)_2+6H_2O$	100	20													A	A	A	A	A	A	A					
Zinc nitrate	Zinknitrat	$Zn(NO_3)_2+6H_2O$	100	80													A	A	A	A	A	A	B					
Zinc powder	Zink pulver	Zn	100	25	7.140																								
Zinc salts	Zinksalt		100	20														A	A				A						
Zinc sulphate	Zinksulfat	$ZnSO_4$, $ZnSO_4+7H_2O$	10	20	1.110			A	D	C					A	A	A	A	A	A	A	A	A	A			A		
Zinc sulphate	Zinksulfat	$ZnSO_4$, $ZnSO_4+7H_2O$	100	20	1.380			A	D	C					A	A	A	A	A	A	A	A	A	A			A		
Zinc sulphate	Zinksulfat	$ZnSO_4$, $ZnSO_4+7H_2O$	100	80				A	D	C					A	A	A	A	A	A	A	A	B	A					
Zinc, plating solution	Zink, ytbehandlingslösning		100	20								A	A		A	A	A	A		A	A	A	A	A					