

Chemical media list

+ = stable
0 = conditionally stable
- = unstable



MEDIUM ENGLISH	Chemical formula	Concentration	Temp. °C	Housing materials					Sealing materials			
				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE	
Acetaldehyde	CH ₃ CHO											
Acetone	CH ₃ COCH ₃	any	100	-		0	0	0	+			
Acetone	(10% in H ₂ O)											
Acetylchloride	CH ₃ COCl											
Acrylonitrile: -mono	CH ₂ =CHCN											
Alum	KAl(SO ₄) ₂											
Aluminium chloride	AlCl ₃ x 6 H ₂ O	diluted	40	+	+	+	+	+	+	+	+	+
Aluminium chloride	AlCl ₃ x 6 H ₂ O	diluted	60	0	+	0	+	+	+	+	+	+
Aluminium chloride	AlCl ₃ x 6 H ₂ O	saturated	60	0	0	0	+	+	+	+	+	+
Aluminium chloride	AlCl ₃ x 6 H ₂ O	saturated	80	-	0	-	0	+	-	+	+	+
Aluminium chloride	AlCl ₃ x 6 H ₂ O	saturated	100	-	0	-	-	+	-	+	+	+
Aluminium hydroxide	Al(OH) ₃											
Aluminium sulphate	Al ₂ (SO ₄) ₃ x 18 H ₂ O	diluted	40	+	+	+	+		+	+	+	+
Aluminium sulphate	Al ₂ (SO ₄) ₃ x 18 H ₂ O	diluted	60	0	+	0	+		+	+	+	+
Aluminium sulphate	Al ₂ (SO ₄) ₃ x 18 H ₂ O	saturated	60	+	+	0	+		+	+	+	+
Aluminium sulphate	Al ₂ (SO ₄) ₃ x 18 H ₂ O	saturated	80	-	0	-	0		-	+	+	+
Aluminium sulphate	Al ₂ (SO ₄) ₃ x 18 H ₂ O	saturated	100	-	0	-	-		-	+	+	+
Aluminium fluoride		diluted						+	+			+
Aluminium salts		diluted							+			+
Formic acid	HCOOH	up to 50%	40	+	+	-	+		+	+	+	+
Formic acid	HCOOH	50%	60	0	+	-	+		+	0		+
Formic acid	HCOOH	100%	20	+			+					
Formic acid	HCOOH	techn. pure	20	+	+	-	+	+	+	0		+
Formic acid	HCOOH	techn. pure	60	-	+	-	+	+	+	-		+
Ammonia solution	NH ₄ OH											
Ammonia gaseous	NH ₃											
Ammonia liquid	NH ₃											
Ammonia acetate aqueous	NH ₄ COOCN ₃	any	60	0	+		+		+	+	+	+
Ammonium chloride	NH ₄ Cl	warm saturated	40	+	+	0	+	+	+	0		+
Ammonium chloride	NH ₄ Cl	warm saturated	60	0	+	-	+	+	+	0		+
Ammonium chloride	NH ₄ Cl	warm saturated	80	-	0	-	0	+	0	-		+
Ammonium chloride	NH ₄ Cl	warm saturated	100	-	0	-	-	+	0	-		+
Ammonium fluoride	NH ₄ F	up to 20%	20	+		+	+	+				
Ammonium fluoride		up to 20%	60	0			+	+				
Hydrogenfluoride of ammonia	NH ₄ HF ₂											
Ammonium nitrate	NH ₄ NO ₃	diluted	40	+	+		+		+	+	+	+
Ammonium nitrate	NH ₄ NO ₃	diluted	60	0	+		+		+	+	+	+
Ammonium nitrate	NH ₄ NO ₃	saturated	60	+	+		+		+	+	+	+
Ammonium nitrate	NH ₄ NO ₃	saturated	80	-								
Ammonium nitrate	NH ₄ NO ₃	saturated	100	-	+		0		0	+		+
Ammonium hydroxide		diluted						+	+	-		+
Ammonium carbonate	(NH ₄) ₂ CO ₃	any	60	0	+		+	+	+	+	+	+
Ammonium phosphate		diluted						+	+			+
Ammonium phosphate	(NH ₄) ₂ PO ₄	any	60	+	+		+	+	+	+	+	+
Bicarbonate of ammonia	NH ₄ HCO ₃											
Hydrogenphosphate of ammonia	(NH ₄)HPO ₄											
Ammonium sulphate	(NH ₄) ₂ SO ₄	diluted	40	+	+	+	+	+	+	+	+	+
Ammonium sulphate	(NH ₄) ₂ SO ₄	diluted	60	0	+	0	+	+	+	+	+	+
Ammonium sulphate	(NH ₄) ₂ SO ₄	saturated	60	+	+	0	+	+	+	+	+	+
Ammonium sulphate	(NH ₄) ₂ SO ₄	saturated	80	-	+	-	0	+	+	+	+	+
Ammonium sulphate	(NH ₄) ₂ SO ₄	saturated	100	-	+	-	-	+	+	+	+	+
Ammonium sulphide, aqueous	(NH ₄) ₂ S	diluted	40	+	+	+	+	+	+	0		+
Ammonium sulphide, aqueous	(NH ₄) ₂ S	diluted	60	0	+		+	+	+	-		+
Ammonium sulphide, aqueous	(NH ₄) ₂ S	diluted	100	-	-		-	+		-		+
Ammonium sulphide, aqueous	(NH ₄) ₂ S	saturated	60	+	+		+	+		-		+
Ammonium sulphide, aqueous	(NH ₄) ₂ S	saturated	100	-	-		-			-		+
Ammonium thiosulphate	(NH ₄) ₂ S ₂ O ₃	60%	40	+						+		+
Amylacetate	CH ₃ C00C ₅ H ₁₁	techn. pure	20	-	0	+	0	+	0	-		+
Amyl alcohol	C ₅ H ₁₁ OH	techn. pure	60	+	+	+	+	+	+	+	+	+
Amyl borate												+
Aniline, pure	C ₆ H ₅ NH ₂	techn. pure	20	-	+	-	+		-	0		+
Aniline, pure		techn. pure	60	-	+		-		-	0		+
Aniline, aqueous	C ₆ H ₅ NH ₂	saturated	20	-	0	-	0	+	+	0		+

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Aniline, aqueous	C ₆ H ₅ NH ₃	saturated	60	-	0	-	0	0	+	0	+
Aniline dye with 20% alcohol											+
Anisole	C ₂ H ₅ OCH ₃		20	-	-		0		+	-	+
Anisole	C ₂ H ₅ OCH ₃		60				-				
Anise oil	C ₂ H ₅ OCH ₃				+						+
Anon (cyclohexane)	C ₆ H ₁₀ O	techn. pure	20	-	+		+		0	-	+
Antraquin sulfonic acid, aqueous	C ₆ H ₄ -(CO) ₂ -C ₆ H ₃ .SO ₃ H	Suspension	30	+	+		+		+	+	+
Anthracene oil											+
Antiformin (benzaloxime), aqueous	C ₆ H ₅ -CH-NO H										
Antimony chloride, anhydrous	Sb Cl ₃		60	+	+		+		+	+	+
Antimony chloride, aqueous	Sb Cl ₃ SbCl ₅	90%	20	+	+		+	+	+	+	
Antifrogen-N		any	60	+	+	+	+		+	+	+
Antifrogen-N		any	100	-	-	-	-		+	+	+
Exhaust gases containing hydrogen											
Exhaust gases containing carbon oxide											
Exhaust gases containing carbon dioxide											
Exhaust gases containing oleum											
Exhaust gases containing hydrochloric acid											
Exhaust gases containing sulphuric acid, humid											
Exhaust gases (sulphur dioxide) containing SO ₂											
Ethyl acrylate	CH ₂ =CH-Coo-C ₂ H ₅										
Adipic acid	HOOC. (CH ₂) ₄ .COOH										
Adipic acid, aqueous	HOOC. (CH ₂) ₄ .COOH	saturated	20	+	+		+		+	+	+
Adipic acid, aqueous	HOOC. (CH ₂) ₄ .COOH	saturated	60	0	+		+		+	+	+
Activin (chloramine) aqueous											
Battery acid											
Alums	Al ₂ (SO ₄) ₃ x K ₂ SO ₄ x 24H ₂ O	diluted	40	+	+		+		+	+	+
Alums	Al ₂ (SO ₄) ₃ x K ₂ SO ₄ x 24H ₂ O	diluted	60	0	+		+		+	+	+
Alums	Al ₂ (SO ₄) ₃ x K ₂ SO ₄ x 24H ₂ O	saturated	60	+	+		+		+	+	+
Alums	Al ₂ (SO ₄) ₃ x K ₂ SO ₄ x 24H ₂ O	saturated	80	-	+		0		+	+	+
Alums	Al ₂ (SO ₄) ₃ x K ₂ SO ₄ x 24H ₂ O	saturated	100	-	-		-		+	+	+
Ally alcohol	CH ₂ =CH-CH ₂ OH	96%	20	0	+		+		0	0	+
Ally alcohol		96%	60	-	+		+		0	-	+
Ally alcohol		96%	80	-	+		0		0	-	+
Malic acid	HOOC-CH ₂ -CH(OH)-COOH	1%	20	+	+	+	+		+	+	+
Orange oil											+
Apple cider		customary	20								
Dressing liquid			20						0		+
Aquasal solution		diluted									
Asordin										+	+
Arsenic acid, aqueous	H ₃ AsO ₄	diluted	40	+	+		+	+	+	+	+
Arsenic acid, aqueous	H ₃ AsO ₄	diluted	60	0	+		+	+	+	+	+
Arsenic acid, aqueous	H ₃ AsO ₄	80%	40	+	+		+	+	+	+	+
Arsenic acid, aqueous	H ₃ AsO ₄	80%	60	0	+		+	+	+	+	+
Arsenic acid, aqueous	H ₃ AsO ₄	80%	80	-	+		0	+	+	+	+
Arsenic acid, aqueous	H ₃ AsO ₄	80%	100	-	0		-	+	+	+	+
Barium chloride	BaCl ₂ x 2H ₂ O	diluted	40	+	+		+	+	+	+	+
Barium chloride	BaCl ₂ x 2H ₂ O	25%	40	+	+		+	+	+	+	+
Barium cyanide	BaCN ₂										
Barium hydroxide	Ba(OH) ₂ .8H ₂ O	any	60	+	+		+	+	+	+	+
Barium salts, aqueous		any	60	+	+		+	+	+	+	+
Barium sulphide		diluted						+	+		+
Basileum FG water		01:01									+
Batoxin											+
Battery acid		diluted				+				+	+
Cottonseed oil			20						+	+	+
Benzaldehyde		30%	20	-			+	+			+
Benzaldehyde		techn. pure	20			0	+	+			+
Benzaldehyde aqueous	C ₆ H ₅ CHO	0.1%	60	-	-	0	+		+		
Petrol (80/110)	KW										
Petrol-alcohol		3:1									+
Petrol-benzene		4:1	20	-	-	+	-		-	+	+
Petrol-benzene		7:3	20	-	-	+	-		-	+	+
Petrol-benzene		3:2	20	-	-	+	-		-	+	+
Petrol-benzene		1:1	20	-	-	+	-		-	+	+
Petrol-benzene		3:7	20	-	-	+	-		-	+	+
Petrol-benzene-spirit		05:03:02	20	-	-	+	-		-	0	+

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Benzole	C ₆ H ₆	techn. pure	20	-	-	+	-	+	0	+	+
Benzoic acid	C ₆ H ₆ COOH	any	20	+	+		+	+	+	+	+
Benzoic acid	C ₆ H ₆ COOH	any	40	+	+		+	+	+	+	+
Benzoic acid	C ₆ H ₆ COOH	any	60	0	+		+	+	+	+	+
Benzoic acid	C ₆ H ₆ COOH	any	100	-	-		-	+	-	+	+
Benzoic sodium, aqueous	C ₆ H ₅ -COO Na	up to 10%	40	+	+		+		+	+	+
Benzoic sodium, aqueous	C ₆ H ₅ -COO Na	up to 10%	60	+	+		+		+	+	+
Benzoic sodium, aqueous	C ₆ H ₅ -COO Na	36%	60	0	+		+		+	+	+
Benzyl alcohol	C ₆ H ₅ CH ₂ OH		60	0	0	-	0	+	0	0	+
Phenyl sulfonic acid	C ₆ H ₅ SO ₃ H										
Driving water	H ₂ O										
Succinic acid, aqueous	C ₂ H ₄ (COOH) ₂		60	+	+		+		+	+	+
Beeswax			20	+	+		+		+	+	+
Beeswax			60	0	0	-	+		+	+	+
Beer		customary	20	+	+		+		+	+	+
Bierkulör		customary	60	+	+		+		-	+	+
Bisulphite				See Sodium bisulphite							
Bisulphite lye, containing SO2	Ca(HSO ₃) ₂ +SO ₂	warm saturated	50	+	+		+		+	+	+
Bitumen											+
Hydrogen cyanide	H CN		20	+	+		+	+	0	+	+
Hydrogen cyanide			60	+	+		+	+	0	+	+
Lead acetate, aqueous	Pb(CH ₃ -COO) ₂	warm saturated	50	+	+		+	+	+	+	+
Lead acetate, aqueous	Pb(CH ₃ -COO) ₂	diluted	40	+	+		+	+	+	+	+
Lead acetate, aqueous	Pb(CH ₃ -COO) ₂	diluted	60	0	+		+	+	+	+	+
Lead acetate, aqueous	Pb(CH ₃ -COO) ₂	saturated	60	+	+		+	+	+	+	+
Lead acetate, aqueous	Pb(CH ₃ -COO) ₂	saturated	100	-	0		-	+	+	+	+
Bleaching lye 12.5% effective chlorine	Na OCL+NaCl	Us. conc.	40	+	0		0		+	0	+
Bleaching lye 12.5% effective chlorine	Na OCL+NaCl	Us. conc.	60	0	0		0		+	0	+
Tetraethyllead	Pb(CH ₃ -CH ₂) ₄	techn. pure	20	+	+		+	+	+	+	+
Lead nitrate		50%	20						+		+
Borax	Na ₂ B ₄ O ₇	diluted	40	+	+		+	+	+	+	+
Borax	Na ₂ B ₄ O ₇	diluted	60	0	+		+	+			
Borax	Na ₂ B ₄ O ₇	saturated	60	0	+		+	+	+	+	+
Spirits of all kinds		customary	20	+	+		+		+	+	+
Brake fluid		customary	60			-	+		+		
Brindic acid conc. - water			01:03				-				+
Bromine	Br ₂	techn. pure	20	-	-		-		-	+	+
Bromine vapours	Br ₂	low	20	0	-		0		0	+	+
Bromine water cold saturated	Br ₂		20	0	-		-	+	0	-	+
Hydrogen bromide											+
Boric Acid	H ₃ BO ₃	diluted	40	+	+	0	+	+	+	+	+
Boric Acid	H ₃ BO ₃	diluted	60	0	+	0	+	+	+	+	+
Boric Acid	H ₃ BO ₃	saturated	60	0	+	0	+	+	+	+	+
Hydrobromic acid	HBr	up to 10%	40	+	+		+	+	+	+	+
Butane	C ₄ H ₁₀	50%	20	+	+	+	0		-	-	+
Butadiene	CH ₂ =CH-CH=CH ₂	50%	60	+	+		+	+	-	-	+
Butanediol, aqueous	C ₄ H ₈ (OH) ₂	up to 10%	20	+	+		+		+	+	+
Butter			20			+					+
Butterfat											+
Butyric acid	C ₃ H ₇ COOH	up to 20%	20	+	-	-	+	+	+	+	+
Butyl acetate	CH ₃ COOC ₄ H ₉	techn. pure	20	-	0	+	0	+	+	-	+
Butylene, liquid	CH ₃ -CH ₂ -CH=CH ₂	techn. pure	20	+	-		-		+	+	+
Butyl glycol	HOCH ₂ CH=CHCH ₂ OH	techn. pure	60	0	+		+		+	+	+
Butyl phenol	C ₄ H ₉ C ₆ H ₄ OH	techn. pure	20	0	-		-		0	0	+
Butyl alcohol						0			+		+
Butyl alcohol castor oil		54:46	20								+
Butyraldehyde									-	-	+
Butanol-(1)	CH ₃ (CH ₂) ₃ OH	up to 100%	20	+	+		+	+	+	+	+
Butanetriol	C ₄ H ₇ OH ₃	up to 100%	20	+	+		+		+	+	+
Butanediol	HO-CH ₂ -C=C-CH ₂ OH	up to 100%	40	0	+		+		+	+	+
Butoxyl	CH ₃ COO-CH ₂ .CH ₂ .CH-CH ₃		20	+	+		+		0	-	+
Calcium bisulphite		diluted							+	+	+
Calcium chlorate	Ca(CLO ₃) ₂	diluted						+	+		+
Calcium carbonate	CaCO ₃	diluted						+	+		+

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Calcium chloride	CaCl ₂	diluted	40	+	+	+	+	+	+	+	+
Calcium chloride	CaCl ₂	diluted	60	0	+	0	+	+	+	+	+
Calcium chloride	CaCl ₂	saturated	60	+	+	0	+	+	+	+	+
Calcium chloride	CaCl ₂	saturated	80	-	+	0	-	+	+	+	+
Calcium chloride	CaCl ₂	saturated	100	-	0		-	+	0	+	+
Calcium hypochlorite	Ca (OCl) ₂	any	60	0	+		+	+	+	+	+
Calcium nitrate, aqueous	NA (NO ₃) ₂	50%	40	+	+		+	+	+	+	+
Chlorine dioxide	ClO ₂										
Chloroacetic acid	ClCH ₂ COOH	techn. pure	40	+	+		+				+
Calcium hydroxid	Ca(OH) ₂	diluted				+		+	+		+
Calcium sulphate	CaSO ₄	diluted						+	+		+
Calcium phosphate	Ca ₃ (PO ₄) ₂	diluted							+		+
Calgon foam											
Camphor	C ₁₀ H ₁₆ O		20	-	+		+		0	0	+
Camphor	C ₁₀ H ₁₆ O		60				0				
Camphor oil		techn. pure	20	+	-		-		-	+	+
Chloramine, aqueous	NH ₂ Cl	diluted	20	+	+		+		+	+	+
Chloralhydrate	CCl ₃ CH(OH) ₂	any	60	-	-		+		0	0	+
Chloro alum		diluted					+				+
Chlorbenzene	C ₆ H ₅ Cl	techn. pure	20	-	+	+	0	+	0	-	+
Chlorbenzene	C ₆ H ₅ Cl	techn. pure	100			-		0			
Chloroethanol	Cl C ₂ H ₄ .OH	techn. pure	60		+		+		0	-	+
CB bromochloromethane										0	+
Chlorine dioxide solution		15%	20			-		+		+	+
Chlorine gas, dry	Cl ₂										
Chlorine gas, humid	Cl ₂	0.5%	20	+	0		0	+	0	+	+
Chlorine gas, humid	Cl ₂	1%	20	0	-		-	+	0	+	+
Chlorine gas, humid	Cl ₂	5%	20	0	-		-	+	0	+	+
Chlorinated solvents											
Chlorinated lime, aqueous (foaming)	Ca Cl ₂ .C (OCl) ₂ .2H ₂ O		60	0	+		+		+	+	+
Chlohydries											+
Chloromethyl	CH ₃ -Cl	techn. pure	20	-	-		+		-	0	+
Chloroform	Ch Cl ₃	techn. pure	20	-	0	-	-	+	-	0	+
Sulphur chloride	S ₂ Cl ₂										
Chlorosulfonic acid	HCISO ₃	techn. pure	20	0	-		-	-	-	0	+
Chlorine trifluoride											-
Chloric Acid, aqueous	H Cl O ₃	1%	40	+	+		+		+	+	+
Chloric Acid, aqueous	H Cl O ₃	1%	60	0	0		0		+	+	+
Chloric Acid, aqueous	H Cl O ₃	1%	100	-	-		-		+	0	+
Chloric Acid, aqueous	H Cl O ₃	10%	40	+	+		+		+	+	+
Chloric Acid, aqueous	H Cl O ₃	10%	60	0	0		0		+	+	+
Chloric Acid, aqueous	H Cl O ₃	10%	80	-	-		-		+		+
Chloric Acid, aqueous	H Cl O ₃	20%	40	+	+		+		+	-	+
Chloric Acid, aqueous	H Cl O ₃	20%	60	0	-		-		+	+	+
Chloric Acid, aqueous	H Cl O ₃	20%	80	-	-		-		+	+	+
Chlorinated water	Cl ₂	saturated	20	0	-		-		+	-	+
Hydrochloric gas	HCl	any	60	+	+		+		+	+	+
Zinc chloride solution		65%								+	+
Chrome alum, aqueous	K Cr (SO ₄) ₂ .12H ₂ O	diluted	40	+	+		+		+	+	+
Chrome alum, aqueous	K Cr (SO ₄) ₂ .12H ₂ O	diluted	60	0	+		+		+	+	+
Chrome alum, aqueous	K Cr (SO ₄) ₂ .12H ₂ O	saturated	60	+	+		+		+	+	+
Chrome alum, aqueous	K Cr (SO ₄) ₂ .12H ₂ O	saturated	80	-	+		0		+	+	+
Chrome alum, aqueous	K Cr (SO ₄) ₂ .12H ₂ O	saturated	100	-	0		-		+	+	+
Chromic acid aqueous	Cr+O ₃ +H ₂ O	up to 30%	20	+	+	-		+	-	+	+
Chromic acid, sulphuric acid, water	CrO ₃ +H ₂ SO ₄ +H ₂ O	50/15/35%	40	+	-		-		-	+	+
Chromic acid (CrO3+2g/1 H2SO4)	CrO ₃										
Chromic acid (CrO3+5g/1 H2SO4)	CrO ₃										
Chromic acid	H ₂ CrO ₃										
Chromium trioxide, aqueous	CrO ₃	20%	60				+		+	+	+
Chromium trioxide, aqueous	CrO ₃	50%	60				-		+	+	+
Chromium trioxide, aqueous	CrO ₃	80%	20				0		+	+	+
Citric acid	C ₆ H ₈ O ₇ x H ₂ O	10%	40								+

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MEDIUM ENGLISH	Chemical formula	Concentration	Temp. °C	Housing materials					Sealing materials			
				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE	
Citrus oils												+
Clophene	C ₆ H ₅ -C ₆ H ₄ -Cl	customary	20	0	+		+			0	+	+
Clophene	C ₆ H ₅ -C ₆ H ₄ -Cl	customary	60	-	0		0			-	+	+
Cola syrup										+		+
Crotonaldehyde	CH ₃ -CH=CH-CHO	techn. pure	20	-	-		+			+	+	+
Cyanide, aqueous	K CN	up to 10%	40	+	+		+			+	+	+
Cyanide, aqueous	K CN	up to 10%	60	0	+		+			+	+	+
Cyanide, aqueous	K CN	saturated	60	+	+		+			+	+	+
Cyanide, aqueous	K CN	saturated	80	-	0		-			+	+	+
Cyanide, aqueous	K CN	saturated	100	-	-		-			0	0	+
Cylanone (fatty alcohol sulphonate)		customary	20	+	+		+				+	+
Cyclohexylamine												+
Hexanaphthene	C ₆ H ₁₂	techn. pure	20	+	+	+	+	+			+	+
Cyclohexanone	C ₆ H ₁₀ O	techn. pure	20	-	+	+	0	+		0	+	+
Cyclohexanol	C ₆ H ₁₁ OH	techn. pure	20	-	+	-	+	+		0		+
Decahydronaphthalene	C ₁₀ H ₁₈	techn. pure	20	+	0	+	+			-	+	+
Decahydronaphthalene	C ₁₀ H ₁₈		60	+	0	0	0			-	+	+
Delegol												+
Densodrin W		customary	60	+							+	+
Desmodur T										-	+	+
Desmophen			20							+	+	+
Deyrin, aqueous	(C ₆ H ₁₀ O ₅) _n											
Diacetone alcohol			20					+				+
Diethyl ether	(C ₂ H ₅) ₂ O	100%	20				+	+		-	-	+
Diethylamine			20					+		-	-	+
Diethylene glycol										+	+	+
Dibutyleacate	C ₁₈ H ₃₄ O ₄									-	0	+
Dibenzyl ether										+		+
Dibutyl ether	C ₄ H ₉ .O.C ₄ H ₉		20	0			0			0	-	+
Dibutyl ether	C ₄ H ₉ .O.C ₄ H ₉		60	-			-			0	-	+
Dibutyl phthalate	C ₆ H ₄ (COOC ₄ H ₉) ₂	techn. pure	20	-	+	+	+			0	+	+
Dibutyl sebacate	C ₈ H ₁₆ (COOC ₄ H ₉) ₂		20	-	+		+			0	-	+
Dibutyl sebacate	C ₈ H ₁₆ (COOC ₄ H ₉) ₂		60	-	0		0			0	-	+
Dichloroethane			20				0			-	+	+
Dichloroethene	CHVI=CHCl		20				-				+	+
Dichloroethene	CHVI=CHCl		100				-					
Dichlorobenzene	C ₆ H ₄ Cl ₂	cold saturated	20	-	0		0			-	+	+
Dichlorobutylene										-	+	+
Dichloroacetic acid	Cl ₂ CH.COOH	techn. pure	20	+	+		+			+	+	+
Dichloroacetic acid	Cl ₂ CH.COOH		60	0	0		0			+	0	+
Dichloroacetic acid	Cl ₂ CH.COOH	50%	20	+	+		+			+	+	+
Dichloroacetic acid	Cl ₂ CH.COOH	50%	60	0	+		+			+	0	+
Dichloroacetic acid methyl ester	Cl ₂ CH COO.CH ₃		60	-	+		+			+	-	+
Diesel oil		techn. pure	20	0	+	+	+	+		-	+	+
Diesel oil			60	0	0	+	0	+		-	+	+
Diglycolic acid, aqueous	COOH-CH ₂ -OCH ₂ -COOH	30%	60	0	+		+			0	+	+
Diglycolic acid, aqueous	COOH-CH ₂ -OCH ₂ -COOH	saturated	20	+	+		+			+	+	+
Dihexyl phthalate	C ₆ H ₄ (COOC ₆ H ₁₃) ₂	techn. pure	60	-	0		0			+	-	+
Diisobutyl ketone	CO (CH ₃) ₂ CHCH ₂	techn. pure	20	-	+		+			+	-	+
Diisobutyl ketone	CO (CH ₃) ₂ CHCH ₂		60	-	-		-	+		+	-	+
Diisopropyl ketone										-		+
Dinonyl phthalate	C ₆ H ₄ (COOC ₉ H ₁₉) ₂	techn. pure	30	-	0		0			+	-	+
Dimethylformamide	HCON(CH ₃) ₂	techn. pure	60	-	+	-	+			+	-	+
Dimethylamine, liquid	CH ₃ -NH-CH ₃	techn. pure	60	-	0	-	0	-		+	-	+
Dimethyl ether												+
Dimethylaniline			20					+		-		+
Dimethylaniline		10%	80									+
Diethylphthalate	C ₆ H ₄ (COOC ₂ H ₅) ₂	techn. pure	60	-	0	+	0	-		+	-	+
Dioxane	C ₄ H ₈ O ₂	techn. pure	60	-	0	+	+			+	-	-
Diphenyl ether										-		+
Dipentene										-	+	+
Fertiliser salts, aqueous		up to 10%	40	+	+		+			+	+	+
Fertiliser salts, aqueous		up to 10%	60	0	+		+			+	+	+
Fertiliser salts, aqueous		saturated	60	+	+		+			+	+	+
Fertiliser salts, aqueous		saturated	80	-	+		0			+	+	+
Fertiliser salts, aqueous		saturated	100	-	0		-			+	+	+
Jet fuel JP-4		techn. pure	20					+				+

Chemical media list

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MEDIUM ENGLISH	Chemical formula	Concentration	Temp. °C	Housing materials					Sealing materials		
				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE
Jet fuel JP-5		techn. pure	60					+			+
Edenol 888										+	+
Ferric chloride (ferri), aqueous	Fe Cl ₃ .6H ₂ O	up to 10%	40	+	+		+	+	+	+	+
Ferric chloride (ferri), aqueous	Fe Cl ₃ .6H ₂ O	up to 10%	60	0	+		+	+	+	+	+
Ferric chloride (ferri), aqueous	Fe Cl ₃ .6H ₂ O	saturated	60	+	+		+		+	+	+
Ferric chloride (ferri), aqueous	Fe Cl ₃ .6H ₂ O	saturated	80	-	+		0		+	+	+
Ferric chloride (ferri), aqueous	Fe Cl ₃ .6H ₂ O	saturated	100	-	0		-		+	+	+
Ferrous sulphate, aqueous	Fe SO ₄ . 7H ₂ O	diluted	20					+	+	+	+
Glacial acetic acid	CH ₃ COOH	techn. pure	20	0	+		0	+	+	-	+
Glacial acetic acid	CH ₃ COOH	techn. pure	40	-	+		0	+	+	-	+
Glacial acetic acid	CH ₃ COOH	techn. pure	60	-	0		-	0	+	-	+
Glacial acetic bromine hydrogen											+
Natural gas			20	+				+	-	+	+
Vinegar (wine vinegar)		customary	40	+	+		+		+	-	+
Vinegar (wine vinegar)		customary	50	+	+		+		+	-	+
Vinegar (wine vinegar)		customary	60	0	+		+		+	-	+
Vinegar (wine vinegar)		customary	100	-	-		-		+	-	+
Acetic acid, aqueous	CH ₃ -COOH	up to 25%	40	+	+	0	+	+	-	-	+
Acetic acid, aqueous	CH ₃ -COOH	up to 25%	60	0	+	-	+	+	0	-	+
Acetic acid, aqueous	CH ₃ -COOH	25-60%	60	+	+	-	+	+	0	-	+
Acetic acid, aqueous	CH ₃ -COOH	80%	40	0	+	-	0	+	0	-	+
Acetic acid, aqueous	CH ₃ -COOH	80%	100	-	-	-	-	+	-	-	+
Acetic acid, aqueous	CH ₃ -COOH	85%	80	-	0	-	-	+	-	-	+
Acetic acid, aqueous	CH ₃ -COOH	85%	100	-	-	-	-	+	-	-	-
Acetic acid, r-oh	CH ₃ -COOH	up to 95%	40	0	0	-	0	+	0	-	+
Acetic anhydride	(CH ₃ CO) ₂ O	techn. pure	20	-	+		0		+	-	+
Acetic anhydride	(CH ₃ CO) ₂ O	techn. pure	40	-	+		0		-	-	+
Acetic anhydride	(CH ₃ CO) ₂ O	techn. pure	60	-	0		0		-	-	+
Crude oil			20						-	+	+
EDTA / Titriplex III	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ x 10 H ₂ O										
Iron (II) chloride	FeCl ₂ x 2 H ₂ O										
Iron (III) chloride	FeCl ₃ x 6 H ₂ O										
Iron (II) sulphate	FeSO ₄										
Acetic acid	CH ₃ COOH										
Acetic anhydride	(CH ₂ CO) ₂ O	techn. pure	80	-	-		-		-	-	+
Acetic acid vapours									+	0	+
Acetic ester=ethyl acetate	CH ₃ COOC ₂ H ₅	techn. pure	20	-	0		+		+	-	+
Acetic ester	CH ₃ COOC ₂ H ₃										
Acetic butyl ester	CH ₃ COOC ₄ H ₉										
Acetic methyl ester	CH ₃ COOCH ₃										
Eukalin										+	+
Ester (solvent)						+					+
Ethanol	C ₂ H ₅ OH										
Ethyl acetate	C ₂ H ₅ COOCH ₃										
Dyeing wetting agent				see Nekal BX							
Ferricyanide and ferrocyanide, aqueous	K ₃ Fe(CN) ₆ und K ₄ Fe(CN) ₆	diluted	40	+	+		+		+	+	+
Ferricyanide and ferrocyanide, aqueous	K ₃ Fe(CN) ₆ und K ₄ Fe(CN) ₆	diluted	60	0	+		+		+	+	+
Ferricyanide and ferrocyanide, aqueous	K ₃ Fe(CN) ₆ und K ₄ Fe(CN) ₆	saturated	60	+	+		+		+	+	+
Ferricyanide and ferrocyanide, aqueous	K ₃ Fe(CN) ₆ und K ₄ Fe(CN) ₆	saturated	80	-	0		0		+	+	+
Ferricyanide and ferrocyanide, aqueous	K ₃ Fe(CN) ₆ und K ₄ Fe(CN) ₆	saturated	100	-	0		-		+	+	+
Fats, mineral						+			-	+	+
Fats, animal											+
Fats, vegetable											+
Fatty alcohol											+
Fatty acids	>C ₆	techn. pure	60	+	0		0	+	0	0	+
Spruce needle oil			20	0	+		+		-	+	+
Spruce needle oil			60	-	0		0		-	+	+
Fish oil										+	+
Aviation fuel											+
Fluorine, dry	F ₂	100%	20	0	-		0	+	-	0	+
Fluorine, dry	F ₃	100%	60	-	-		-		-	-	+
Fluorammon, aqueous	NH ₄ F	up to 20%	20	+	+		+		+	+	+
Fluorammon, aqueous	NH ₄ F	up to 20%	60	0	+		+		+	+	+
Fluorammon, aqueous	NH ₄ F	up to 20%	80	-	0		-		+	-	+

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MEDIUM ENGLISH	Chemical formula	Concentration	Temp. °C	Housing materials					Sealing materials			
				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE	
Fluorobenzene										-		+
Fluoboric acid	HBF ₄											+
Hydrofluoric acid	HF	up to 40%	20	+	+	-	+	+		0	0	+
Hydrofluoric acid	HF	40%	60	0	+	-	0	+		-	0	+
Hydrofluoric acid	HF	60%	20	0	+	-	+	+		0	0	+
Hydrofluoric acid	HF	70%	20	0	0	-	+	+		0	-	+
Hydrofluoric acid	HF	70%	60				0	+				
Vapors of hydrofluoric acid	HF											
Furfurol			20					0		+	-	+
Formaldehyde	HCHO	diluted	40	+	+	+	+	+		+	+	+
Formaldehyde	HCHO	diluted	60	0	+	0	+			+	+	+
Formaldehyde	HCHO	40%	30	+	+	+	+	+		+	+	+
Formamide	HC ON H ₂		60	+	+		+			+	0	+
Formalin	HCOH	35%	20	+	+	0						+
Photo emulsions		any	40	+	+		+			-	+	+
Photo developer		customary	40	+	+		+			-	+	+
Photo fixing tapes		customary	40	+	+		+			-	+	+
Frigene 11						+		+				
Frigene 12 (Freon)	CF ₂ Cl ₂	100%	20	+	-	+	-	+		0		+
Frigene 22				+				+		-	-	+
Frigene 113				+	-						+	+
Antifreeze (motor vehicle)		customary	20	+	+		+			+	+	+
Antifreeze (motor vehicle)		customary	60	0	0		0			+	+	+
Fruit juices			20	+	+	+	+			+		+
Fruit juices		Us. conc.	60	+	+	+	+			+	+	+
Fruit juices		Us. conc.	100	-	+	-	0			+	+	+
Furan			20					-		0	-	+
Furfuryl	C ₄ H ₃ OCHO											
Furfuryl alcohol			20	-	0		0			+	0	+
Hydrogen fluoride			80									+
Gas oil										0	+	+
Gas water		Customary	40	0						-	0	+
Gelatin, aqueous		any	40	+	+		+			+	+	+
Producer gas										-		+
Genodyn												+
Tanning extracts, vegetable		Customary	20	+	+		+			+	+	+
Tannic extracts, from cellulose		Customary	20	+	+		+			+	+	+
Tannic acid		10%	60	0			+			0	+	+
Gear oil		customary	20							-	+	+
Galvanic chrome bath												
Galvanic baths												
Glucose, aqueous	C ₆ H ₁₂ O ₆	saturated	20	+	+		+	+		+	+	+
Glucose, aqueous	C ₆ H ₁₂ O ₆	saturated	60	0	+		+	+		+	+	+
Glucose, aqueous	C ₆ H ₁₂ O ₆	saturated	80	-	+		0	+		+	+	+
Glycerin	C ₃ H ₅ (OH) ₃	any	60	+	+	+	+	+		+	+	+
Glycerin	C ₃ H ₅ (OH) ₃	any	100	-	+	-	-	+		0	+	+
Glycol	C ₂ H ₄ (OH) ₂	customary	60	+	+	0	+			+	+	+
Glycine, aqueous	NH ₂ CH ₂ -COOH	10%	40	+	+	0	+			+	+	+
Glycol, aqueous	OH CH ₂ -CH ₂ OH	customary	60	+	+	0	+			+	+	+
Glycol, aqueous	OH CH ₂ -CH ₂ OH	customary	100	-	0	-	-			0	+	+
Glycolic acid, aqueous	OH CH ₂ -COOH	37%	20	+	+		+	+		+	+	+
Glycolic acid, aqueous	OH CH ₂ -COOH	70%	60				+	0				
Glycerol chlorohydrin	Cl CH ₂ CH OH CH ₂ OH		60				+			+	0	+
Mine gas											+	+
Gulfseneca oil no.49		100%	20									
Halowax oil										-		+
Urea	CH ₄ N ₂ O	up to 10%	40	+	+		+	+		+	+	+
Urea	CH ₄ N ₂ O	up to 10%	60	0	+		+	+		+	+	+
Urea	CH ₄ N ₂ O	33%	60	+	+		+	+		+	+	+
Yeast, aqueous		any	20	+	+		+			+	+	+
Fuel oil EL			20	0	0	+	0			-	+	+
Fuel oil EL			60	-	-	+	-			-	+	+
Petroleum-base fuel oil										-	+	+
Rock and lignite-base fuel oil										-	0	+
Henkel P-3 solution												+
Heptane	C ₇ H ₁₆		20	+	+		+	+		-	+	+
Heptane	C ₇ H ₁₆		60	0	0		0	+		-	+	+
Hexane	C ₆ H ₁₄		20	+	+		+	+		-		+
Hexane	C ₆ H ₁₄		60	0	0		0	+		-		+

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				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE	
Hexanetriol	C ₆ H ₁₁ (OH) ₃	customary	60	+	+		+			+	+	+
Hexanetriol	C ₆ H ₁₁ (OH) ₃	customary	100	-	+		0			0	+	+
Hexachlorobutadiene												+
Hexachlorocyclohexane												+
Hexaldehyde										+		+
Blast furnace gas										-		+
Dutch glue		Usage conc.	20	+	+		+			+	+	+
Dutch glue		Usage conc.	60	+	+		+			+	+	+
Wood oil											-	+
Hydraulic fluids (ester-based)										+	+	+
Hydrazine hydrate	NH ₂ -NH ₂ .H ₂ O		20	+	+		+			+	+	+
Hydroxylamine sulphate aqueous	2 (NH ₂ OH)H ₂ SO ₄	up to 12%	35	+	+		+			+	+	+
Hydrosulphide, aqueous	Na ₂ S ₂ O ₄	up to 10%	40	+	+		+			+	+	+
Hydrosulphide, aqueous	Na ₂ S ₂ O ₄	up to 10%	60	0	+		+			+	+	+
Hydrosulphide, aqueous	Na ₂ S ₂ O ₄	up to 10%	100	-	0		-			0	+	+
n-hexane	C ₆ H ₁₄											
Hydrazine	N ₂ H ₄											
Isobutanol	(CH ₃)CHCH ₂ OH											
Isobutyl alcohol										+	+	+
Isopropyl acetate										+	-	+
Isopropyl alcohol					+	0				+	+	+
Isopropyl chloride										-	+	+
Isooctane	(CH ₃) ₂ (CH ₂) ₅ .CH ₃		20	+	+		+	+		-	+	+
Iso-propanol	CH ₃ (CH ₂) ₂ OH	techn. pure	60	0	+	+	+			+	+	+
Iso-propanol	CH ₃ (CH ₂) ₂ OH		100	-	+	-	-			0	+	+
Isopropyl ether	(CH ₃) ₂ CH-O-CH(CH ₃) ₂	techn. pure	20	0			0			0	0	+
Isopropyl ether	(CH ₃) ₂ CH-O-CH(CH ₃) ₂		60	-			-			0	-	+
Iodine/potassium iodide	J-JK	3% iodine	60	0	+		+			+	+	+
Iodine tincture		customary	20	-	+	-	0			0	+	+
Iodine tincture		customary	60	-	0	-	-			0	+	+
Iodine (in alkaline solution)	J ₂		20	-			0			+		
Currant juice		customary	20			+						
Potash lye	KOH	up to 40%	40	+	+	+	+			+	-	+
Potash lye	KOH	up to 40%	60	0	+	+	+			+	-	+
Potash lye	KOH	50/60%	60	+	+	+	+			+	-	+
Potash lye	KOH	50%	100	-	+	-	-			0	-	+
Potassium acetate	CH ₃ COOK									+		+
Aluminium potassium sulphate (potash alum)	KAl(SO ₄) ₂ x 12 H ₂ O											
Potassium bisulphate	KHSO ₄									+		+
Potassium Bromate, aqueous	K Br O ₃	up to 10%	40	+	+		+			+	+	+
Potassium Bromate, aqueous	K Br O ₃	up to 10%	60	0	+		+			+	+	+
Potassium Bromate, aqueous	K Br O ₃	up to 10%	80	-	0		0			+	+	+
Potassium Bromate, aqueous	K Br O ₃	up to 10%	100	-	0		-			+	+	+
Potassium Bromide, aqueous	K Br O ₃	diluted	40	+	+		+	+		+	+	+
Potassium Bromide, aqueous	K Br O ₃	diluted	60	0	+		+	+		+	+	+
Potassium Bromide, aqueous	K Br O ₃	saturated	60	+	+		+	+		+	+	+
Potassium Bromide, aqueous	K Br O ₃	saturated	80	-	+		0	+		+	+	+
Potassium Bromide, aqueous	K Br O ₃	saturated	100	-	0		-	+		+	+	+
Potassium Carbonate	K ₂ CO ₃	50%	20			+	+					
Pot./sod. Bicarbonate	KHCO ₃											
Potassium Chlorate, aqueous	K Cl O ₃	cold saturated	60	0	+		+	+		+	+	+
Potassium chloride, aqueous	KCl	diluted	40	+	+		+	+		+	+	+
Potassium chloride, aqueous	KCl	diluted	60	0	+		+	+		+	+	+
Potassium chloride, aqueous	KCl	saturated	60	+	+		+	+		+	+	+
Potassium chloride, aqueous	KCl	saturated	100	-	0		-	+		+	+	+
Potassium hydrogensulphate	KHSO ₄											
Potassium hydroxide	KOH							+		+	+	+
Potassium iodide, aqueous	KJ	cold saturated	60	0	+		+			+	+	+
Potassium sulphate	K ₂ SO ₄	cold saturated	60	+	+		+			+	+	+
Potassium (III) sulphate (chrome alum)	KCr(SO ₄) ₂ x 12 H ₂ O											
Potassium chromate	K ₂ CrO ₄											
Potassium cyanide	KCN	saturated	20			+		+		+		+
Potassium nitrate	KNO ₃	diluted	40	+	+	+	+	+		+	+	+
Potassium nitrate	KNO ₃	diluted	60	0	+	0	+	+		+	+	+
Potassium nitrate	KNO ₃	saturated	60	+	+	0	+	+		+	+	+

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MEDIUM ENGLISH	Chemical formula	Concentration	Temp. °C	Housing materials					Sealing materials			
				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE	
Potassium perchlorate, aqueous	K Cl O ₄	1%	40	+	+		+			+	+	+
Potassium perchlorate, aqueous	K Cl O ₄	1%	60	0	+		0			+	+	+
Potassium perchlorate, aqueous	K Cl O ₄	1%	80	-	0		0			+	+	+
Potassium nitrite	KNO ₂											
Potassium permanganate	KMnO ₄	up to 6%	20	+	+	0	+	+		+	+	+
Potassium permanganate	KMnO ₄	up to 6%	40	+	+	0	+	+		+	+	+
Potassium permanganate	KMnO ₄	up to 6%	60	+	+	0	+	+		+	+	+
Potassium permanganate	KMnO ₄	up to 18%	40	+	0	0	0	+		+	+	+
Potassium persulphate, aqueous	K ₂ S ₂ O ₈	diluted	40	+	+		+	+		+	+	+
Potassium persulphate, aqueous	K ₂ S ₂ O ₈	diluted	60	0	+		+	+		+	+	+
Potassium persulphate, aqueous	K ₂ S ₂ O ₈	saturated	40	+	+		+	+		+	+	+
Potassium persulphate, aqueous	K ₂ S ₂ O ₈	saturated	60	0	+		+	+		+	+	+
Potassium persulphate, aqueous	K ₂ S ₂ O ₈	saturated	100	-	+		-	+		+	+	+
Potassium peroxydisulphate	K ₂ S ₂ O ₈											
Potassium pyrosulphate	K ₂ S ₂ O ₇											
Lime milk	Ca (OH) ₂	diluted								+		+
Camphor	C ₁₀ H ₁₆ O		20			+						
Cocoa butter												+
Carbolineum										-	+	+
Carbolic acid, phenol	C ₆ H ₅ (OH)									-	0	+
Kerosene		100%	20					+		-	+	+
Ketones (solvent)						+						+
Pine needle oil			20	-	+		+			-	+	+
Pine needle oil			60	-	0		0			-	+	+
Hydrofluoric acid, aqueous	H ₂ (SiF ₆)	up to 32%	60	+	+		+			0	-	+
Silicic acid, aqueous	H ₂ SiO ₃	any	60	+	+		+	+		+	+	
Cherry juice		customary	20			+						
Bone oil			60	-	+		+			-	+	+
Bone oil			20	0	+		+			-	+	+
Cobaltacetat	(CH ₃ COO) ₂ Co											
Sodium chloride, aqueous	CACl	diluted	40	+	+	+	+			+	+	+
Sodium chloride, aqueous	CACl	diluted	60	0	+	0	+			+	+	+
Sodium chloride, aqueous	CACl	saturated	60	+	+	0	+			+	+	+
Sodium chloride, aqueous	CACl	saturated	80	-	+	-	0			+	+	+
Sodium chloride, aqueous	CACl	saturated	100	-	+	-	-			+	+	+
Carbonic acid, dry	CO ₂	100%	60	+	+		+			+	+	+
Carbonic acid, dry	CO ₂	100%	80	-	+		0			+	+	+
Carbonic acid, humid	CO ₂	any	40	+	+		+			+	+	+
Carbonic acid, humid	CO ₂	any	60	0	+		+			+	+	+
Carbonic acid, humid	CO ₂	any	100	-	0		0			+	+	+
Carbonic acid, aqueous under 8 atm	CO ₂	saturated	20	+	+		+			+	+	+
Aqua regia												
Carbon dioxide, dry		100%	50	+			+	+		+		+
Carbon dioxide, wet		100%	50	0			+	+		+		+
Carbon oxide	CO	100%	60	+	+		+			+	+	+
Coconut oil alcohol		techn. pure	20	+	+		+			-	+	+
Coconut oil alcohol		techn. pure	60	+	0		0			-	+	+
Coconut oil												+
Coconut oil acid												+
Coconut oil		techn. pure	20				+					
Coconut oil			60	+	0	+	0	+		-	+	+
Coke oven gas								+		-		+
Cresyl	C ₆ H ₄ CH ₃ OH	up to 90%	45	0	+		+	+		-	+	+
Cresol, aqueous	C ₆ H ₄ CH ₃ OH	up to 90%	45	0	+		+	+		-	+	+
Cresylic sulfonic acid	C ₆ H ₄ CH-OHSO ₃ H											
Creosote			20							-	+	+
Crystal oil			20								+	
Calcium chloride	CaCl ₂	saturated	20	+	+	+	+	+		+	+	+
Copper (I) chloride, aqueous	Cu Cl	saturated	20	+	-	+	+	+		+	+	+
Copper fluoride, aqueous	Cu F ₂	2%	50	+	-		+	+		+	+	+
Copper nitrate, aqueous	Cu(NO ₃) ₂ · 6H ₂ O	30%	60	0	0		+	+		+	+	+
Copper salts, aqueous		cold saturated	20	+	0		+			+	+	+
Copper salts, aqueous			60	0	-		+			+	+	+
Coolant			20									+
Copper sulphate, aqueous	Cu SO ₄	diluted	40	+	-	+	+	+		+	+	+
Copper(II) acetate	(CH ₃ COO) ₂ Cu											

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MEDIUM ENGLISH	Chemical formula	Concentration	Temp. °C	Housing materials					Sealing materials			
				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE	
Copper(II) chloride	CuCl ₂ x 2 H ₂ O	saturated	85									
Copper(II) nitrate	Cu(NO ₃) ₂											
Copper(II) sulphate	CuSO ₄ x 5 H ₂ O	diluted	40	+	-	+	+	+	+	+	+	+
Copper(II) sulphate	CuSO ₄ x 5 H ₂ O	diluted	60	0	-	+	+	+	+	+	+	+
Copper(II) sulphate	CuSO ₄ x 5 H ₂ O	saturated	60	+	-	0	+	+	+	+	+	+
Copper(II) sulphate	CuSO ₄ x 5 H ₂ O	saturated	80	-	-	-	0	+	+	+	+	+
Copper(II) sulphate	CuSO ₄ x 5 H ₂ O	saturated	100	-	-	-	-	+	+	+	+	+
Nitrous oxide												+
Lanolin (full fat)			20				+					+
Lanolin (full fat)			60	0	0		0		-	+		+
Lactam										-		+
Latex			100									
Lauric acid			100					+				
Lauryl chloride			100					+				
Cod liver oil												+
Linseed oil		techn. pure	60	0	+	+	0	+	-	+	+	+
Linseed oil			100	-	+	-	-	+	-	+	+	+
Coal gas									-	+	+	+
Coal gas benzene-free			20	+	+		+		-	+	+	+
Liqueurs		customary	20	+	+		0		+	+	+	+
Linoleic acid			100					+				
Lithium bromide		diluted							+			+
Lithium chloride		diluted							+			+
Air, pure			20		+	+			+	+	+	+
Air, pure			80	-	+							
Air oily			20			+			0	+	+	+
Magnesium Chloride	MgCl ₂ x 6H ₂ O	diluted	40	+	+		+	+	+	+	+	+
Magnesium Chloride	MgCl ₂ x 6H ₂ O	diluted	60	0	+		+	+	+	+	+	+
Magnesium Chloride	MgCl ₂ x 6H ₂ O	saturated	60	+	+		+	+	+	+	+	+
Magnesium Chloride	MgCl ₂ x 6H ₂ O	saturated	80	-	+		0	+	+	+	+	+
Magnesium Chloride	MgCl ₂ x 6H ₂ O	saturated	100	-	0		-	+	+	+	+	+
Magnesium hydroxide		diluted						+	+			+
Magnesium salts, aqueous		cold saturated	60	+	+		+		+	+	+	+
Magnesium sulphate	MgSO ₄ x 7 H ₂ O	diluted	40	+	+		+	+	+	+	+	+
Magnesium sulphate	MgSO ₄ x 7 H ₂ O	diluted	60	0	+		+	+	+	+	+	+
Magnesium sulphate	MgSO ₄ x 7 H ₂ O	saturated	60	+	+		+	+	+	+	+	+
Magnesium sulphate	MgSO ₄ x 7 H ₂ O	saturated	80	-	+		0	+	+	+	+	+
Magnesium sulphate	MgSO ₄ x 7 H ₂ O	saturated	100	-	0		-	+	0	+	+	+
Maleie Acid	HC CO ₂ H	saturated	40	+	+		+	+	+	+	+	+
Maleie Acid	HC CO ₂ H	saturated	60	0	+		+	+	+	+	+	+
Maleie Acid	HC CO ₂ H	saturated	80	-	+		0	+	+	+	+	+
Maleie Acid	HC CO ₂ H	saturated	100	-	+		0	+	+	+	+	+
Maleie Acid	HC CO ₂ H	35%	40	+	+		+	+	+	+	+	+
Manganese(II) chloride	MnCl ₂ x 2 H ₂ O											
Manganese(II) chloride	MnCl ₂ x 2 H ₂ O											
Manganese(II) sulphate	MnSO ₄											
Corn oil			20	0	+		+		0	+	+	+
Corn oil			60	0	-		0		-	+	+	+
Margarine												+
Jam		customary	60	0	+		+		+	+	+	+
Machine oils									-			+
Seawater				See Seawater								
Molasses		Usage conc.	20	+	+		+		+	+	+	+
Molasses		Usage conc.	50	+	+		+		+	+	+	+
Molasses		Usage conc.	80	-	+		0		+	+	+	+
Molasses		Usage conc.	100	-	0		0		+	+	+	+
Molasses seasoning		Usage conc.	60	+	+		+		+	+	+	+
Menthol			20	0	+		+		+	+	+	+
Menthol			60	-	0		0		+	+	+	+
Mersol D		Usage conc.	40	+	-		-		0	+	+	+
Mersol D		Usage conc.	60	0								
Methyl acetate	CH ₃ COOCH ₃											
Methane	CH ₄		20	+				+	-	+	+	+
Methyl alcohol	CH ₃ OH											
Methoxybutanol	CH ₃ -CH-(OCH ₃)CH ₂ -CH ₂ -OH		20	+	+		+		+	+	+	+
Methoxybutanol			60	-	0		0		0	+	+	+
Methylamine, aqueous	CH ₃ -NH ₂	32%	20	0	+		+		+	+	+	+

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				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE
Methyl bromide	CH ₃ Br	techn. pure	20	-	-	-	-	+	-	+	+
Methyl ethylketone	CH ₃ COC ₂ H ₅	techn. pure	20	-	0	-	+	-	0	-	+
Methyl ethylketone	CH ₃ COC ₂ H ₅	techn. pure	60	-	-	-	-	-	0	-	+
Methyl ethylketone	CH ₃ COC ₂ H ₅	techn. pure	100								+
Methylenchloride	CH ₂ Cl ₂										
Methyl isobutyl ketone			20					+	0	-	+
Methyl methacrylate									-	-	+
Methyl acrylate									0	-	+
Methyl sulphuric acid, aqueous	CH ₃ -SO ₄ H	up to 50%	20	+	0	0			+	0	+
Methyl sulphuric acid, aqueous	CH ₃ -SO ₄ H	up to 50%	40	0	0	0			+	0	+
Methyl sulphuric acid, aqueous	CH ₃ -SO ₄ H	up to 50%	100	-	-	-			-	-	+
Methyl sulphuric acid, aqueous	CH ₃ -SO ₄ H	techn. pure	40	+	-	-			+	0	+
Methyl sulphuric acid, aqueous	CH ₃ -SO ₄ H	techn. pure	60	0	-	-			+	-	+
Methyl sulphuric acid, aqueous	CH ₃ -SO ₄ H	techn. pure	80	-	-	-			0	-	+
Methyl sulphuric acid	CH ₃ -SO ₄ H	techn. pure	80	-	-	-					+
Methyl salicylate									-		+
Milk		customary	20	+	+	+	+	+	+	+	+
Latic acid	CH ₃ CHOHCOOH	up to 10%	40	+	+	0	+	+	0	0	+
Latic acid	CH ₃ CHOHCOOH	up to 10%	60	0	+	0	+	0	0	0	+
Latic acid	CH ₃ CHOHCOOH	90%	60	-	+	0	+	-	0	0	+
Latic acid	CH ₃ CHOHCOOH	90%	100	-	+	-	-	-	0	0	+
Mineral oil aromatic											
Mineral water			60	+	+	+	+		+	+	+
Mineral water			100	-	+	-	0		+	+	+
Mixed acid I/sulphuric acid, nitric acid/water	H ₂ SO ₄ +HNO ₃ +H ₂ O	48/49/3%	20	+	-	-	-		-	+	+
Mixed acid I/sulphuric acid, nitric acid/water	H ₂ SO ₄ +HNO ₃ +H ₂ O	48/49/3%	40	0	-	-	-		0	+	+
Mixed acid I/sulphuric acid, nitric acid/water	H ₂ SO ₄ +HNO ₃ +H ₂ O	50/50/0%	20	0	-	-	-		+	+	+
Mixed acid I/sulphuric acid, nitric acid/water	H ₂ SO ₄ +HNO ₃ +H ₂ O	50/50/0%	40	-	-	-	+	+	+	+	
Monoethanolamine	NH ₂ CH ₂ - CH ₂ OH										
Mixed acid II/sulphuric acid, phosphoric acid, water	H ₂ SO ₄ +H ₃ PO ₄ +H ₂ O	30/60/10%	40	+	0	0	0		+	+	+
Monochloroacetic acid	ClCH ₂ COOH	80%	20	+	+	+	+		+		
Monochloroacetic acid ethyl ester	ClCH ₂ x COOx CH ₂ x CH ₃		60	-	+	+	+		+	0	+
Monochloroacetic acid methyl ester	ClCH ₂ x COO x CH ₃		60	-	+	+	+		+	0	+
Monobromobenzene											
Morpholine	C ₄ H ₉ ON		60	0	+	+	+	-	+	+	+
Engine oils			60	0	0	-	-	+	-	+	+
Engine oils			20		0	0	0	+			
Mowilith D		customary	20	+	+	+	+		+	+	+
Maleic anhydride									+		+
Mesamoll			20								+
Monofluortrichlormethane		100%	20			+					
Naphtha			20			+	+	+	-	+	+
Naphtha			60				0	+			
Naphthalene			20	-	+	+	+	+	-	+	+
Naphthalene			60								
Naphthol											+
Sodium aluminium lye			80								+
Sodium benzoate	C ₆ H ₅ COO Na	saturated	40	+	+	+	+	+	+	0	+
Sodium bichromate		diluted									+
Sodium bicarbonate	Na H CO ₃	cold saturated	60	+	+	+	+	+	+	+	+
Sodium Hydroxide	NaOH										
Sodium hypochloride	NaOCl										
Sodium Nitrate	NaOC ₃										
Sodium Nitrite	NaNO ₂										
Sodium phosphate	NaH ₂ PO ₄ x 2 H ₂ O										
Sodium phosphate	Na ₂ HPO ₄ x 12 H ₂ O										
Sodium phosphate	Na ₃ PO ₄										
Sodium metabisulphite	Na ₂ S ₂ O ₅										
Sodium sulphate	Na ₂ SO ₄ x 10 H ₂ O	diluted									
Sodium sulfide	Na ₂ S										
Sodium sulfite	Na ₂ SO ₃										
Sodium bisulphite	NaHSO ₃	diluted	40	+	+	+	+	+	+	+	+
Sodium bisulphite	NaHSO ₃	diluted	60	0	+	+	+	+	+	+	+
Sodium bisulphite	NaHSO ₃	saturated	60	+	+	+	+	+	+	+	+
Sodium bisulphite	NaHSO ₃	saturated	80	-	+	-	0	+	0	0	+

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				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE
Sodium bisulphite	NaHSO ₃		100	-	+	-	0	+	0	0	+
Sodium chloride	NaCl			See Sodium chloride							
Sodium carbonate	Na ₂ CO ₃										
Sodium bichromate	Na ₂ Cr ₂ O ₇	diluted									+
Sodium bisulphate		diluted						+	+		+
Sodium chlorate	Na Cl O ₃	up to 10%	40	+	+		+	+	+	+	+
Sodium chlorate	Na Cl O ₃	up to 10%	60	0	+		+	+	+	+	+
Sodium chlorate	Na Cl O ₃	saturated	60	+	+		+	+	+	+	+
Sodium chlorate	Na Cl O ₃	saturated	100	-	0		-	+	-	-	+
Sodium cyanide	Na Cl O ₃	diluted						+	+	+	+
Sodium chlorite	Na Cl O ₂	diluted	20	0	0	+	0		+	+	+
Sodium chlorite	Na Cl O ₂	diluted	60	0	0	0	-		+	+	+
Sodium acetate								+			
Sodium	Na	100%	100								
Sodium bisulphate	NaHSO ₄ x H ₂ O										
Sodium bisulphite	NaHSO ₃										
Sodium thiosulphate	Na ₂ S ₂ O ₃ x H ₂ O	25%	60	+	+		+	+	+	+	+
Sodium dichromate											
Sodium hydroxide, solid	Na OH										
Sodium hypochlorite	Na OCL										
Sodium carbonate	Na ₂ CO ₃	cold saturated	20	+		+	+		+	+	+
Sodium carbonate	Na ₂ CO ₃		100	-							
Naphtha fuel											
Sodium chlorite bleach	Na Cl O ₂	customary	20	+	0		+		+	+	+
Sodium chlorite bleach	Na Cl O ₂	customary	60	0	0		-		+	+	+
Sodium perborate	NaBO ₃ x 4H ₂ O										
Sodium phosphate			20					+	+	+	+
Sodium phosphate, aqueous	Na ₃ PO ₄	cold saturated	60	+	+		+	+	+	+	+
Sodium salicylate		10%	40								+
Nickel sulphate	NiSO ₄ x 7 H ₂ O	diluted	40	+	+		+	+	+	+	+
Sodium silicate, aqueous	Na ₂ Si O ₃	any	60	+	+		+	+	+	+	+
Sodium sulphate, aqueous	Na ₂ SO ₄ x 10H ₂ O	cold saturated	60	+	+		+	+	+	+	+
Sodium sulfide	Na ₂ S 9 x H ₂ O	50%	100				+	+	+	+	+
Sodium sulfite	Na ₂ SO ₃	10%	100					+			+
Caustic soda	NaOH	up to 40%	40	+	+	+	+	+	+	0	+
Caustic soda	NaOH	up to 40%	60	0	+	0	+	+	+	-	+
Caustic soda	NaOH	50/60%	60	+	+	-	+	+	+	-	+
Caustic soda	NaOH	50%	100	-	+	-	-	+	+	-	+
Nekal BX, aqueous	(CH ₃) ₂ CH-C ₁₀ H ₆ SO ₃ Na	diluted	40	+	+		+		+	+	+
Nekal BX, aqueous	(CH ₃) ₂ CH-C ₁₀ H ₆ SO ₃ Na	diluted	60	0	+		+			+	
Nibren wax D88			80								+
Nickel chloride		diluted	20					+	+		+
Nickel salts		diluted	20	+	+		+		+		+
Nickel salts, aqueous		cold saturated	60	+	+		+		+	+	+
Nickel sulphate, aqueous	Ni SO ₄ x 7H ₂ O	diluted	40	+	+		+	+	+	+	+
Nickel sulphate, aqueous	Ni SO ₄ x 7H ₂ O	diluted	60	0	+		+	+	+	+	+
Nickel sulphate, aqueous	Ni SO ₄ x 7H ₂ O	saturated	60	+	+		+	+	+	+	+
Nickel sulphate, aqueous	Ni SO ₄ x 7H ₂ O	saturated	80	-	0		0	+	+	+	+
Nickel sulphate, aqueous	Ni SO ₄ x 7H ₂ O	saturated	100	-	0		-	+	+	+	+
Nitrobenzene	C ₆ H ₅ NO ₂		60	-	0	0	-	0	-	+	+
Nitroglycerine, diluted			20	0					+	+	+
Nitroglycol, diluted			20	-					+	+	+
Nicotine preparations		Us. conc.	20	+				+	+	+	+
o-Nitrotoluene	C ₆ H ₄ (CH ₃)NO ₂		20	-			+		-	0	+
o-Nitrotoluene	C ₆ H ₄ (CH ₃)NO ₂		60	-			0		-	-	+
Nickel electrolyte			60								+
Nitrophenol	O ₂ NC ₆ H ₄ OH	concentrated	20	0	0		+		+	-	+
Nitrophenol	O ₂ NC ₆ H ₄ OH	concentrated	60	-	-		-		-	-	+
Nitrous fumes dry, humid	NO ₂ /N ₂ O ₃ /NO										
Nitro thinner (without acetic ester)											+
Nitro thinner (without hydrocarbons)											+
Fruit tree carbolineum, aqueous		Us. conc.	20	+					+	+	+
Fruit pulp		Usage conc.	20	+	+		+		+	+	+
Octane			20					+			
Octene			20					+			
Octylcresol		techn. pure	20	-	0		0		-	0	+

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				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE
Octylcresol		techn. pure	60	-	-	-	-		-	0	-
Oleic acid			20			+					+
Oleic acid			80			-					+
Oleum	H ₂ SO ₄ + SO ₃	10%	20	-	-	-	-		-	+	+
Oleum vapours	SO ₃	low	20	+	0		0		0	+	+
Oleum vapours	SO ₃	higher	20	0	-		-		0	0	+
Oil (ASTM1)											
Oil (ASTM2)											
Oil (ASTM3)											
Oleic acid	C ₈ H ₁₇ -CH=CH-(CH ₂) ₇ COOH	techn. pure	60	+	0	+	0	+	-	+	+
Olive oil		customary	60	0	+		+		-	+	+
Olive oil			100	-	+		-		-	+	+
Oils and fats		customary	60	+	0		0		-	+	+
Orange oil			20							+	+
Oxalix Acid	C ₂ H ₄ O ₄ x 2 H ₂ O	diluted	40	+	+	+	+	+	+	+	+
Oxalix Acid	C ₂ H ₄ O ₄ x 2 H ₂ O	diluted	60	0	0	0	+	+	+	+	+
Oxalix Acid	C ₂ H ₄ O ₄ x 2 H ₂ O	saturated	60	+	0	0	+	0	+	+	+
Oxalix Acid	C ₂ H ₄ O ₄ x 2 H ₂ O	saturated	80	-	0	-	-	-	+	+	+
Oxalix Acid	C ₂ H ₄ O ₄ x 2 H ₂ O	saturated	100	-	-	-	-	-	+	+	+
Ozone	O ₃	max. 2 full%	20	0	0	0	0	+	-	0	+
Ozone	O ₃	max. 2 full%	30	0	-	0	-	+	-	0	+
Ozone	O ₃	max. 2 full%	60	0	0	0	-	+	-	0	+
Ozone	O ₃	100%	20	+				+			
Ozone	O ₃	10%	30	+				+			
Palm kernel fatty acid	C ₁₆ H ₃₂ O ₂	techn. pure	60	+	-		0		-	+	+
Palm oil			20	-	+		+		-	+	+
Palm oil			60	-	0		0		-	+	+
Palm oil fatty acid			80								+
Palmitic acid			20					+	-	+	+
Paraffin			60	+	+		0		-	+	+
Paraffin oil			60	+	+	+	0		-	+	+
Paraffin emulsions		customary	20	+	0		0			+	
Paraffin emulsions			40	+							
Pectin		diluted							+	+	+
Pentachlor dyphenyl			60						-	+	+
Pentane									-	+	+
Perchloroethylene	C ₂ Cl ₄		20	-	0		0		-	+	+
Perchloroethylene			60	-	0		-		-	+	+
Perchloric acid				See Superchloric acid					+	+	+
Petroleum	KW	techn. pure	60	0	+		0		-	+	+
Petroleum ether		techn. pure	60	0	+	+	0		-	+	+
Plant protection products				+							
Phenol	C ₆ H ₅ OH	up to 90%	45	0	+	-	+	+	-	0	+
Phenol	C ₆ H ₅ OH	up to 90%	100	-	-	-	-	0	-	0	+
Phenol	C ₆ H ₅ OH	1%	20	+	+	-	+	+	+	+	+
Phenol	C ₆ H ₅ OH	1%	80	-	0	-	0	+	-	0	+
Phenol sodium	C ₆ H ₅ ONa										
Phenolsulfonic acid	C ₆ H ₄ OHSO ₃ H										
Phenyl ethyl ether									-	-	+
Phenyl benzene									-	+	+
Phenylhydrazine	C ₆ H ₅ -NH-NH ₂	techn. pure	20	-	0		0	+	0	+	+
Phenylhydrazine	C ₆ H ₅ -NH-NH ₂	techn. pure	60	-	0		0	+		0	+
Phenylhydrazine hydrochloride, aqueous	C ₆ H ₅ -NH-NH ₂ x H Cl	saturated	20	+	+		+		+	+	+
Phenylhydrazine hydrochloride, aqueous	C ₆ H ₅ -NH-NH ₂ x H Cl	saturated	80	-	-		-		0	0	+
Phosphoric acid, ortho	H ₃ PO ₄	up to 30%	40	+	+	-	+	+	+	0	+
Phosgene, liquid	CO Cl ₂	100%	20	-			-		+	+	+
Phosphates		any	60	+	+		+		+	+	+
Phosphorus oxychloride	P O Cl ₃		60	0	0		0		+	+	+
Phosphorus pentoxide	P ₂ O ₅	100%	20	+	+		+	+	+	+	+
Phosphorus pentoxide			60	0	+		+	+	+	+	+
Phosphoric acid, aqueous	H ₃ PO ₄	up to 30%	40	+	+	-	+	+	+	0	+
Phosphoric acid, aqueous	H ₃ PO ₄	up to 30%	60	0	+	-	+	+	+	0	+
Phosphoric acid, aqueous	H ₃ PO ₄	up to 40%	60	0	+	-	+	+	+	0	+
Phosphoric acid, aqueous	H ₃ PO ₄	80%	20	+	+	-	+	+	+	0	+
Phosphoric acid, aqueous	H ₃ PO ₄	80%	60	+	+	-	0	+	+	0	+
Phosphoric acid, aqueous	H ₃ PO ₄	80%	80	-	0	-	-	+	+	-	+

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MEDIUM ENGLISH	Chemical formula	Concentration	Temp. °C	Housing materials					Sealing materials		
				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE
Phosphoric acid, aqueous	H ₃ PO ₄	80%	100	-	-	-	-	+	0	-	+
Phosphoric acid, aqueous	H ₃ PO ₄	90%	100	-	-	-	-	+	0	-	+
Phosphorus trichloride	P Cl ₃	techn. pure	20	-	+		+	+	+	0	+
Hydrogen phosphide	PH ₃	techn. pure	20	+				+	+	+	+
Photo emulsions		any	40	+	+		+				
Photo designer		Us. conc.	40	+	+		+				
Photo fixing tapes		Us. conc.	40	+	+		+				
Phtalic acid	C ₆ H ₄ (COOH) ₂	50%	60	-	+		+	+	-	+	+
Phtalic acid anhydride	C ₆ H ₄ (CO) ₂ O		20								+
Picric acid	C ₆ H ₂ OH(NO ₂) ₃	1%	20	+	+		+	+	+	0	+
Piperidine			20						-		+
Polyglycol			70								+
Potash, aqueous	K ₂ CO ₃	diluted	20	+			+		+		+
Potash, aqueous	K ₂ CO ₃	saturated	40	+	+		+		+	+	+
Propanol	(CH ₃) ₂ CHOH										
Probionic acid	C ₂ H ₅ COOH	50%	60	0	+		+		-	0	+
Propyl alcohol							+		+	+	+
Propylene oxide											+
Propane, gaseous	CH ₃ -CH ₂ -CH ₃	100%	20	+	+		+	+	+	+	+
i-Propanol	(CH ₃) ₂ CH OH	techn. pure	60	0	+	-	+	+	+	+	+
n-Propanol	CH ₃ x CH ₂ CH ₂ OH		60	0	+	-	+	+	+	+	+
Propargyl alcohol, aqueous	CH ₂ =CH-CH ₂ OH	7%	60	+	+		+		+	+	+
Propargyl alcohol, aqueous		7%	100	-	-		-		+	+	+
Propylene glycol	CH ₃ x CHOH x CH ₂ OH		60	0	+		+		+	+	+
Propylene oxide								-			
Pseudocumene	C ₆ H ₃ (CH ₃) ₃		60	0	0		0		-	+	+
Pyridine	C ₃ H ₅ N	any	20	-	0	-	+	-	0	-	+
Pyridine	C ₃ H ₅ N		60	-	0	-	0		-	-	+
Pydraul F-9						-			+	+	+
Pydraul AG									+	+	+
Pydraul A 150									0		+
Pydraul A 200									0	+	+
Pyrrrole									-		-
P 3 - Lye										+	+
Mercury	Hg		60	+	+	+	+	+	+	+	+
Mercury salts			60	0	+		+	+	+	+	+
Mercury cyanide			20					+			
Mercury cyanide			100					+			
Mercury nitrate			20					+			
Mercury nitrate			100					+			
Mercury (II) chloride	HGCl ₂										
Ramasit (paraffin emulsion)		customary	20	+					-	+	+
Ramasit (paraffin emulsion)		customary	40	+							+
Rapeseed oil											+
Flue gas	SO ₂ -,NO _x -,HCl-,								-	+	+
Suet emulsion sulphurised		customary	20	+	+		+				+
Castor oil										+	+
Crude oil			20					+			
Crude oil			100					+			
Roaster gases, dry		any	60	+	+		+		+	+	+
Roaster gases, dry		any	80	-	0		0		+	+	+
Lye of raw quinine sulphate											
Rongalite solution											
Sagrotan											+
Salicylic	C ₆ H ₄ OHCOOH		20					+	+		+
Nitric acid	HNO ₃	10%	20	+	+	-	+	+	+	+	+
Nitric acid	HNO ₃	up to 30%	50	+	-	-	0	+	0	0	+
Nitric acid	HNO ₃	30/ 50%	50	+	-	-	0	+	0	0	+
Nitric acid	HNO ₃	40%	70	-	-	-	-		0	0	+
Nitric acid	HNO ₃	40%	90	-	-	-	-		-	0	+
Nitric acid	HNO ₃	48%	80	-	-	-	-		-	0	+
Nitric acid	HNO ₃	70%	20	+	-		0	+	-	0	+
Nitric acid	HNO ₃	70%	60		-	-	-		-	-	+
Nitric acid	HNO ₃	98%	20	-	-	-	-	+	-	-	+
Nitric acid	HNO ₃	98%	60	-	-	-	-	+	-	-	+
Hydrochloric Acid	HCl	10%	20	+	+	+	+	+	+	+	+
Hydrochloric Acid	HCl	up to 30%	40	+	+	-	0	+	+	0	+

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				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE
Hydrochloric Acid	HCl	up to 30%	60	0	+	-	+	+	0	0	+
Hydrochloric Acid	HCl	over 30%	20	+	+	-	+	+	0	0	+
Hydrochloric Acid	HCl	over 30%	60	0	+	-	0	+	-	0	+
Hydrochloric Acid	HCl	over 30%	80	-	-	-	-		-	-	-
Hydrochloric acid, vapor	HCl										
Salt water (brine)				+					+	+	+
Oxygen	O ₂	any	60	+	0		0	+	+	+	+
Oxygen difluoride		100%	20								
Sulphur dioxide, humid	SO ₂										
Carbon disulfide	CS ₂	techn. pure	20	0	+	+	0	+	-	+	+
Sulfuric Acid	H ₂ SO ₄										
Sulfurous Acid	H ₂ SO ₃										
Hydrogen sulfide	H ₂ S										
Soap			50								
Soap solution, aqueous		conc.	20	+	+		+		+	+	+
Soap solution, aqueous			60	0							
Shell - SOL A			60	0							
Silver nitrate	AgNO ₃	up to 8%	40	+	+	+	+		+	+	+
Silver nitrate	AgNO ₃	up to 8%	60	0	+	0	+		+	+	+
Silver nitrate	AgNO ₃	up to 8%	80	-	0	-	-		+	+	+
Silver nitrate	AgNO ₃	up to 8%	100	-	-	-	-		0	0	+
Silver nitrate, aqueous	AgNO ₃	cold saturated	60	0	+		+		+	+	+
Sea water	H ₂ O	-	40	+	+	+	+	+	+	+	+
Sea water	H ₂ O	-	60	0	+	0	+	+	+	+	+
Sea water	H ₂ O	-	100	-	0	-	-	+	+	+	+
Silicon tetrachloride	SiCl ₄										
Silicone oil		techn. pure	20	+	+	+	+		+	+	+
Silicone oil			60	-	+	0	+		-	+	+
Skydrol 500									+	0	+
Skydrol 7000									+		+
Soda, aqueous	Na ₂ CO ₃	diluted	40	+	+	+	+		+	+	+
Soda, aqueous	Na ₂ CO ₃	diluted	60	0	+	0	+		+	+	+
Soda, aqueous	Na ₂ CO ₃	saturated	60	+	+	0	+		+	+	+
Cooking oil			20								+
Cooking oil			80								+
Stearic acid	C ₁₇ H ₃₅ COOH	techn. pure	60	+	0		0	+	+	+	+
Sorbic acid											
Sperm oil alcohol		customary	20	+	+		+		0	+	+
Spindle oil			20	0	+		+		0	+	+
Spindle oil			60		0		0		-	+	+
Spinning bath acids		0.01%	52	+	-		-		+	+	+
Spinning bath acids		0.02%	52	0	-		-		+	+	+
Spinning bath acids		0.07%	52	-	-		-		0	+	+
Spirits			20	+							
Starch, aqueous		any	40	+	+		+		+	+	+
Starch, aqueous		any	60	+	+		+		+	+	+
Starch syrup		Usage conc.	60	+	+		+		+	+	+
Starch syrup		Usage conc.	100	-	0		-		+	+	+
Pitching yeast seasoning		Usage conc.	40	+	+		+		+	+	+
Pitching yeast seasoning		Usage conc.	60	+	+		+		+	+	+
Nitrogen oxides		diluted	60	0							
Styrene									-	0	+
Sulphite cooking acid			140						-	-	+
Sulphuryl chloride	SO ₂ Cl ₂		20		-		-		0	+	+
Lubricating oils		techn. pure	20	0	0		0		-	+	+
Black lye			100						+	+	+
Sulphur			20	0	+	+	+		+	+	+
Sulphur			60	0	+		+		+	+	+
Sulphur chloride									-		+
Sulphur dioxide, dry	SO ₂	any	60	+	+		+	+	+	+	+
Sulphur dioxide, dry	SO ₂	any	80	-	0		0	+	+	+	+
Sulphur dioxide, humid and aqueous	SO ₂	any	40	+	+		+	+	+	0	+
Sulphur dioxide, humid and aqueous	SO ₂	50%	50	+	+		+	+	+	0	+
Sulphur dioxide, humid and aqueous	SO ₂	any	60	0	+		+	+	+	0	+
Sulphur dioxide, aqueous below 8 atm	SO ₂	saturated	20	+	+		+	+	+	0	+
Sulphur dioxide, liquid	SO ₂	techn. pure	-10	0			+	+	+	+	+
Sulphur dioxide, liquid	SO ₂	techn. pure	20	0			+	+	+	+	+
Sulphur dioxide, liquid	SO ₂	techn. pure	60	-			0	+	+	+	+

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				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE
Sodium sulphide, aqueous	NA ₂ S	diluted	40	+	+		+		+	-	+
Sodium sulphide, aqueous	NA ₂ S	diluted	60	0	+		+		+	-	+
Sodium sulphide, aqueous	NA ₂ S	saturated	60	+	+		+		+	-	+
Sodium sulphide, aqueous	NA ₂ S	saturated	100	-	-		-		0	-	+
Sulphuric acid, aqueous	H ₂ SO ₄	up to 40%	40	+	+	0	+	+	+	+	+
Sulphuric acid, aqueous	H ₂ SO ₄	up to 40%	60	0	+	0	+	+	0	0	+
Sulphuric acid, aqueous	H ₂ SO ₄	70%	20	+	+	-	+	+	-	+	+
Sulphuric acid, aqueous	H ₂ SO ₄	70%	60	+	0	-	0	+	-	0	+
Sulphuric acid, aqueous	H ₂ SO ₄	80-90%	40	+	0	-	0	+	-	0	+
Sulphuric acid, aqueous	H ₂ SO ₄	96%	20	+	0	-	0	+	-	0	+
Sulphuric acid, aqueous	H ₂ SO ₄	96%	60	0	-	-	0	+	-	0	+
Pig fat			20						-		+
Pig fat			80						-		+
Tallow		techn. pure	20	+	+		+		+	+	+
Tallow		techn. pure	60	+	-		-		+	+	+
Tanning acid	C ₇₆ H ₅₂ O ₄₆	10%	40								+
Tanigan, extra A		any	20						+	+	+
Tanigan, extra B		any	20						+	+	+
Tanigan, extra D		saturated	40						+	+	+
Tanigan, extra D		saturated	60						+	+	+
Tanigan, extra D		saturated	80	-					+	+	+
Tanigan, extra D		saturated	100	-			-		+	+	+
Tanigan F		saturated	60						+	+	+
Tanigan F		saturated	80	-					+	+	+
Tanigan F		saturated	100	-			-		+	+	+
Tanigan U		saturated	40						+	+	+
Tanigan U		saturated	60						+	+	+
Tanigan U		saturated	80	-					+	+	+
Tar						-			-		+
Tar oil											+
Turpentine oil		techn. pure	20	0	0	+	0		-	+	+
Turpentine oil		techn. pure	60	0	-	+	-		-	+	+
Carbon tetrachloride	CCl ₄	techn. pure	20	0	-	+	-	+	-	+	+
Carbon tetrachloride	CCl ₄	techn. pure	60	-	-	0	-	+	-	+	+
Tetrahydrofuran	C ₄ H ₈ O	techn. pure	20	-	0	-	-		-	-	+
Tetrahydrofuran	C ₄ H ₈ O		60	-	0	-	-		-	-	+
White spirit			20	0	0		+		-	+	+
White spirit			60	0	0		0		-	+	+
Tetrachloroethane	Cl ₂ CH CH Cl ₂		20	-	0	+	-		-	0	+
Tetrachloroethane	Cl ₂ CH CH Cl ₂		60	-	-	0	-		-	0	+
Tetrachloride											+
Tetralin			20		-	+	0		-		+
Tetrahydronaphthalene	C ₁₀ H ₁₂	techn. pure	20	-	+		+		-	+	+
Thionyl chloride	SOCl ₂	techn. pure	20	-	-		-		+	-	+
Thiophene	C ₄ H ₄ S	techn. pure	20	-	0		0		-	-	-
Thiophene	C ₄ H ₄ S		60	-	0		0		-	-	+
Ink						+					+
Thioglycol acid	HSCH ₂ -COOH										
Titan dioxide	TiO ₂										
Titan sulphate	TiSO ₄										
Toluene	C ₆ H ₅ CH ₃	techn. pure	20	-	+	+	-	+	-	-	+
Tolune sulfonic acid	C ₇ H ₈ O ₃ S										
Tomato juice		customary	20			+					
Peat tar			80							+	+
Transformer oil		techn. pure	20	0	+		0		-	0	+
Transformer oil		techn. pure	60	0	-		-		-	-	+
Dextrose	C ₆ H ₁₂ O ₆	saturated	20	+	+		+		+	+	+
Dextrose	C ₆ H ₁₂ O ₆	saturated	60	0	+		+		+	+	+
Dextrose	C ₆ H ₁₂ O ₆	saturated	80	-	+		0		+	+	+
Triethanolamine	N(CH ₂ -CH ₂ -OH) ₃	techn. pure	20	-	+		+		0	+	+
Triethylamine	(C ₂ H ₅) ₃ N PH value10		20	+	+				+		+
Trichlorethylene	ClCH = CCl ₂	techn. pure	20	-	-	+	-	+	0	+	+
Tributyl phosphate	(C ₄ H ₉) ₃ PO ₄		60	-	+		+	+	-	0	+
Trichlorethylene	Cl ₂ C=CHCl	techn. pure	20	-	-	+	-	+	0	+	+
Triethylene glycol											+
Trichlor acetic acid	CCl ₃ CO ₂ H	techn. pure	20	+	+	-	+		-	-	+

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				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE
Trichlor acetic acid	CCl ₃ CO ₂ H	techn. pure	60	-	0	-	0		-	-	+
Tricresyl phosphate	(C ₆ H ₄ -CH ₃) ₃ PO ₄	techn. pure	60	-	0	+	0		-	-	+
Trilone	RO(CH ₃)-P-(F)O	customary	60	0			+		+	0	+
Drinking water, chlorinated				see Water							
Trimethylpentane, aqueous	(CH ₂ OH) ₃ C ₃ H ₅	up to 10%	40	+					+	+	+
Trimethylpentane, aqueous	(CH ₂ OH) ₃ C ₃ H ₅	up to 10%	60	0					+	+	+
Trimethylpentane, aqueous	(CH ₂ OH) ₃ C ₃ H ₅	up to 10%	100	-	-		-		+	+	+
Trioctyl phosphate	(C ₈ H ₁₇) ₃ PO ₄		20	-	+		+		-	-	+
Trioctyl phosphate			60	-	0		0		-	-	+
Tributoxy ethyl phosphate									-	+	
Trichloroethane 1.1.1						+			-	0	+
Trichloroethyl phosphate			20								+
Tung oil											
Medium of TÜV Hannover	synth. REA medium,FDG medium										
Medium of TÜV Cologne	synth. REA medium,FDG medium										
Superchloric acid, aqueous (perchloric acid)	H Cl O ₄	up to 10%	40	+	+		+	+	+	+	+
Superchloric acid, aqueous (perchloric acid)	H Cl O ₄	up to 10%	60	0	+		+	+	+	+	+
Superchloric acid, aqueous (perchloric acid)	H Cl O ₄	up to 10%	100	-				+	+	+	+
Superchloric acid, aqueous (perchloric acid)	H Cl O ₄	20%	60	+	+		+	+	+	+	+
Superchloric acid, aqueous (perchloric acid)	H Cl O ₄	50%	20	+	+		+	+	+	+	+
Superchloric acid, aqueous (perchloric acid)	H Cl O ₄	saturated	60	+	-		0		+	+	+
Superchloric acid, aqueous (perchloric acid)	H Cl O ₄	saturated	80	-	-		-		+	+	+
Hypochlorous acid											
Urine		normal	40	+	+		+		+	+	+
Urine		normal	60	0	+		+		+	+	+
Vaseline oil		techn. pure	20	+	+		0		-	+	+
Vaseline oil			60	-	0		-		-	+	+
Vaseline		techn. pure	20	+	+		0		-	+	+
Vinyl acetate	CH ₂ =CH COOCH ₃	techn. pure	20	-				+	+	+	+
Viscose spinning solution			60	+	+		+		+	+	+
Vinyl acetate-acetic acid 3:2									+	-	+
Vinyl chloride, liquid										+	+
Washing alcohol	C ₃₁ H ₆₃ OH	techn. pure	60	+	-		-		-	+	+
Detergent		Us. conc.	60	0	+		+		+	+	+
Spermaceti			20	-	+		+		-	+	+
Water	H ₂ O		20	+	+	+	+	+	+	+	+
Water	H ₂ O		70	-	+	+	+	+	+	+	+
Water	H ₂ O		80	-	+	0	-	+	+	+	+
Water	H ₂ O		90	-	+	-	-	+	+	+	+
Distilled water	H ₂ O		40	+	+	+	+	+	+	+	+
Distilled water	H ₂ O		60	+	+	-	+	+	+	+	+
Distilled water	H ₂ O		100	-	+	-	0	+	+	0	+
Water (fully desalinated)	H ₂ O		20	+				+	+	+	+
Hydrogen	H ₂	100%	20							+	+
Hydrogen	H ₂	100%	60	+	+		+	+	+	+	+
Hydrogen	H ₂	100%	100	-	-		-	+	+	+	+
Hydrogen peroxide, aqueous		up to 30%	20	+	+		+	+	+	+	+
Hydrogen peroxide, aqueous		up to 20%	50	+	+		+	+	+	+	+
Hydrogen peroxide, aqueous		90%	20	+	+		+	+	+	0	+
Hydrogen peroxide, aqueous		90%	60	0	-		-	+	+	0	+
Hydrogen peroxide	Electrolytically produced	conc.	20	+	+				-	+	+
Hydrogen peroxide	Organically produced	35%	20	-			+				+
Hydrogen peroxide		conc.	20		-		-		-	-	+
Hydrogen peroxide	H ₂ O ₂										
Brandy		customary	20	+	+		+		+	+	+
Tartarie acid	C ₄ H ₆ O ₆	up to 10%	40	+	+		+		+	+	+
Tartarie acid	C ₄ H ₆ O ₆	up to 10%	60	0	+		+		+	+	+
Tartarie acid	C ₄ H ₆ O ₆	saturated	60	+	+		+		+	+	+
Wine, red, white		customary	20	+	+		+		+	+	+
Wine vinegar		Us. conc.	50	+							
Wine vinegar			60	0	+		+		+	-	+
White liquor			100						+		+
Tartaric acid		hot saturated	20						+	+	+
Wool grease									+		+
Wood's metal			130							+	+
Xylamon											+
Xylene	C ₆ H ₄ (CH ₃) ₂	100%	20	-	+	+	-	+	-	0	+

Chemical media list

+ = stable
0 = conditionally stable
- = unstable



MEDIUM ENGLISH	Chemical formula	Concentration	Temp. °C	Housing materials					Sealing materials			
				PVC	PP	PA	PE	PVDF	EPDM	FPM	PTFE	
Xylene-demethylformamid 9:2			100							-	-	+
Zinc chloride	ZnCl ₂	diluted	40	+	+	+	+	+		+	+	+
Zinc chloride	ZnCl ₂	diluted	60	0	+	0	+	+		+	+	+
Zinc chloride	ZnCl ₂	saturated	60	+	+	0	+	+		+	+	+
Zinc chloride	ZnCl ₂	saturated	80	-	+	-	0	+		+	+	+
Zinc chloride	ZnCl ₂	saturated	100	-	0	-	-	+		+	+	+
Toothpaste												+
Zinc chloride, aqueous	ZnCl ₂	diluted	40	+	+	+	+	+		+	+	+
Zinc salts		cold saturated	60	0	+		+			+	+	+
Zinc sulphate	ZnSO ₄	diluted	40	+	+	+	+	+		+	+	+
Zinc sulphate	ZnSO ₄	diluted	60	0	+	+	+	+		+	+	+
Zinc sulphate	ZnSO ₄	saturated	60	+	+	+	+	+		+	+	+
Zinc sulphate	ZnSO ₄	saturated	80	-	+	-	0	+		+	+	+
Zinc phosphate	Zn(PO ₄) ₂											
Tin chloride												
Tin(II)-chloride	SnCl ₂	diluted	40	+	+		+			+	+	+
Tin(II)-chloride	SnCl ₂	diluted	60	0	+		+			+	+	+
Tin(II)-chloride	SnCl ₂	saturated	60	0	+		+			+	+	+
Tin(II)-chloride	SnCl ₂	saturated	80	-	0		0			+	+	+
Lemon juice							+					+
Sugar syrup			60	0	+		+			+	+	+
Sugar solution												
MIXTURES OF ACIDS												
Chromic acid+Sulphuric acid	CrO ₃ + H ₂ SO ₄											
Chromic acid+Sulphuric acid	CrO ₃ + H ₂ SO ₄											
Chromic acid+Nitric acid	CrO ₃ + HNO ₃											
Chromic acid+Phosphoric acid	CrO ₃ + H ₃ PO ₄											
Phosphoric acid+Hydrochloric acid	H ₃ PO ₄ + HCl											
Phosphoric acid+Sulfuric acid	H ₃ PO ₄ + H ₂ SO ₄											
Hydrochloric acid+Nitric acid	HCl + HNO ₃											
Sulfuric acid+Hydrochloric acid	H ₂ SO ₄ + HCl											
Brine of Sodium chloride+Chlorine	NaCl + Cl ₂											
Brine of Sodium chloride+Chlorine+Acide hydroch	NaCl + Cl ₂ +HCl											