

Substance	Formula	Concentration	Chemical Resistance of KKVJ		
			20°C	60°C	80°C
Acetaldehyde, aqueous		40%	+	+	
Acetamide, aqueous	CH ₃ .CONH ₂		+	+	
Acetic acid	CH ₃ .COOH	100%	+		-
Acetic acid, aqueous		70%	+	+	+
Acetetic anhydride	(CH ₃ CO) ₂ O	techn. grade	+		-
Acetone	(CH ₃) ₂ CO	techn. grade	+	+	
Acetophenone	C ₆ H ₅ CO ₂ CH ₃	techn. grade	+		
Acrylonitrile	CH ₂ :CH ₂ CN	techn. grade	+		
Adipic acid, aqueous	(CH ₂ CH ₂ C.COOH) ₂	saturated	+	+	+
Air			+	+	+
Ally alcohol (2-Propenol-1)	CH ₂ CH:CH ₂ OH	96%	+	+	
Aluminium chloride, aqueous	AlCl ₃ , AlCl ₃ .6H ₂ O	any	+	+	+
Aluminium chloride, solid			+	+	
Aluminium fluoride	AlF ₃ , AlF ₃ .H ₂ O AlF ₃ .3½ H ₂ O	conc.	+	+	+
Aluminium hydroxide (See Note 2)	Al(OH) ₃		+	+	
Aluminium metaphosphate	Al(PO ₃) ₃		+	+	+
Aluminium sulphate, aqueous	Al ₂ (SO ₄) ₃ , Al ₂ (SO ₄) ₃ . 18 H ₂ O	saturated	+	+	+
Aluminium sulphate, solid			+	+	
Alum, aqueous (See Note 1)		any	+	+	+
Amino acids			+	+	+
2-Aminoethanol (Ethanolamine)	H ₂ NCH ₂ CH ₂ OH	techn. grade	+		
Ammonia, aqueous	NH ₃	any	+	+	
Ammonia, gaseous			+	+	
Ammonia, liquid			+		
Ammonia water		any	+	+	
Ammonium acetate, aqueous	CH ₃ CO ₂ NH ₄	any	+	+	+
Ammonium carbonate, aqueous (See Note 3)	NH ₄ HCO ₃ NH ₂ COONH ₄ , H ₂ NCOONH ₄	any	+	+	+
Ammonium chloride, aqueous (See Note 3)	NH ₄ Cl	any	+	+	+
Ammonium fluoride, aqueous (See Note 3)	NH ₄ F	saturated	+	+	
Ammonium hydrogen carbonate, aqueous	NH ₄ HCO ₃	saturated	+	+	
Ammonium hydrosulphide, aqueous	NH ₄ HS	any	+	+	
Ammonium nitrate, aqueous	NH ₄ NO ₃	any	+	+	+
Ammonium phosphate(s)	NH ₄ H ₂ PO ₄ , (NH ₄) ₂ HPO ₄ , (NH ₄) ₃ PO ₄ .3H ₂ O	any	+	+	+
Ammonium sulphate, aqueous	(NH ₄) ₂ SO ₄	any	+	+	+
Ammonium sulphide, aqueous	(NH ₄) ₂ S	any	+	+	+
Ammonium thiocyanate	NH ₄ SCN		-	-	
Amyl acetate	CH ₃ .COO.(CH ₂) ₄ .CH ₃ , Pentyl acetate	techn. grade	-	-	
Amyl alcohol (C ₅ alcohols)	CH ₃ .(CH ₂) ₃ .CH ₂ OH, Pentan-1-ol, Butyl carbinol		+	+	+
Aniline	C ₆ H ₅ NH ₂	tech. grade	+	+	
Aniline hydrochloride, aqueous	C ₆ H ₅ NH ₂ .HCl	any	+	+	
Animal oils			+		
Anon (Cyclohexanone)	CH ₂ -(CH ₂) ₄ .CO		+		
Anthraquinone sulphonlic acid, aqueous (susp.)	C ₆ H ₄ (CO ₂)C ₆ H ₄ SO ₃ H		+		
Antifreeze (automotive) (See Note 4)		as supplied commercially			
Antimony chloride, anhydrous	SbCl ₃		+	+	
Antimony pentachloride	SbCl ₅		+	+	
Antimony trichloride	SbCl ₅ , Antimony (III) chloride, Butter of Antimony		+	+	
Aqua regia	(HCl+ HNO ₃)		-	-	

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			20 °C	60 °C	80 °C
Aromatic oils			-	-	
Arsenic acid, aqueous	HA ₅ O ₃	any	+	+	
Arsenic acid anhydride			+	+	
Ascorbic acid			+	+	
Asphalt			+		
® Asprin			+		
Barium hydroxide, aqueous	Ba(OH) ₂ ·8H ₂ O	any	+	+	+
Battery acid	conc. H ₂ SO ₄ diluted with water to about 25%		+	+	
Beater glue (animal glue)		as supplied	+	+	
Beef tallow			+	+	
Beer			+	+	
Beer sugar colouring		as supplied commercially	+	+	
Beeswax			+		
Benzaldehyde, aqueous	C ₆ H ₅ .CHO	any	+		
Benzene	C ₆ H ₆	techn. grade	-	-	
Benzene sulphonic acid	C ₆ H ₅ SO ₃ H		+	+	
Benzoic acid, aqueous	C ₆ H ₅ CO ₂ H		+	+	+
Benzyl alcohol	C ₆ H ₅ .CH ₂ OH		+	+	
Benzyl chloride	C ₆ H ₅ .CH ₂ Cl		-	-	-
Bichromate - sulphuric acid		conc.	-	-	-
Bismuth salts			+		
Bisulphite liquor			+	+	
Bitumen			+		
Bleaching solution containing 12.5% active chlorine**			-	-	-
Bone oil			+	+	
Borax (Sodium tetraborate), aqueous	Na ₂ B ₄ O ₇ , Na ₂ B ₄ O ₇ .10H ₂ O, di-Sodium tetraborate	saturated	+	+	+
Boric acid, aqueous	H ₃ BO ₃	any	+	+	+
Brandy			+	+	
Bromic acid	Hbr	conc.	-	-	-
Bromine, liquid	Br ₂	100%	-	-	-
Bromine vapours			-	-	-
Butanediol, aqueous	HO(CH ₂) ₄ OH	any	+	+	+
Butanetriol, aqueous	HOCH ₂ CH ₂ CH(OH)CH ₂ OH	any	+	+	
Butanol, aqueous	CH ₃ (CH ₂) ₃ OH	any	+		
Butanone	C ₂ H ₅ COCH ₃		+		
2-Butenediol-1,4	HOCH ₂ CH=CHCH ₂ OH	techn. grade	+	+	
2-Butynediol-1,4	HOCH ₂ C=CCH ₂ OH	techn. grade	+		
® Butoxyl (Metoxybutylacetate)	CH ₃ COO(CH ₂) ₄ OCH ₃		+		
Butter			+	+	
Butylene glycol	HO(CH ₂) ₄ OH	techn. grade	+		
Butyl acetate	CH ₃ .COO.(CH ₂) ₃ .CH ₃		*	-	-
Butyl acrylate	H ₂ C=CHCO ₂ (CH ₂) ₃ CH ₃		+		
Butyl alcohol	CH ₃ .(CH ₂) ₃ OH, Buton-I-ol		+		
Butyl phenol	C ₂ H ₅ CH(CH ₃)C ₆ H ₄ OH	techn. grade	+		
Butyl phenone	C ₆ H ₅ O(CH ₂) ₄ CH ₃	techn. grade	-	-	-
Butyl phthalate (Dibutyl phthalate)	C ₆ H ₄ O(COOC ₄ H ₉) ₂	techn. grade	+		
Butyric acid, aqueous	CH ₃ .CH ₂ .CH ₂ .COOH,	any	+		
Calcium carbide	CaC ₂		+	+	
Calcium carbonate (See Note 5)	CaCO ₃		+	+	+
Calcium chlorate, aqueous	Ca(ClO ₃) ₂	saturated	+	+	
Calcium chloride, aqueous	CaCl ₂ .CaCl ₂ .2H ₂ O, CaCl ₂ .6H ₂ O	saturated	+	+	+
Calcium hydroxide (See Note 5)	Ca(OH) ₂		+	+	+

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			20°C	60°C	80°C
Calcium hypochlorite, aqueous (suspension)	Ca(OCl) ₂		*	*	-
Calcium nitrate, aqueous	Ca(NO ₃) ₂ , Ca(NO ₃) ₂ .4H ₂ O	50%	+	+	+
Calcium oxide (powder) (See Note 6)	CaO		+	+	
Calcium sulphate (See Note 5)	CaSO ₄ , CaSO ₄ .2H ₂ O (Gypsum), CaSO ₄ .½H ₂ O (Plaster of Paris)		+	+	+
Camphor oil		any	-	-	-
Cane sugar, aqueous		any	+	+	
Carbazole	(C ₆ H ₄) ₂ NH		+	+	
Carbolic acid (Phenol)	C ₆ H ₅ OH		+		
Carbonic acid, aqueous	H ₂ CO ₃	any	+	+	
Carbonic acid, dry		100%	+	+	
Carbon dioxide	CO ₂	100%	+	+	
Carbon monoxide, gaseous	CO	techn. grade	+	+	
Castor oil			+	+	
Caustic soda solution	NaOH,	any	+	+	+
Cetyl alcohol (Hexadecanol)	CH ₃ (CH ₂) ₁₅ OH		+		
Chloral (Trichloroacetaldehyde)	CCl ₃ CHO	techn. grade	+	+	
Chloramine, aqueous	NH ₂ Cl	saturated	+		
Chloric acid, aqueous	HClO ₃	10%	+		-
Chloric acid, aqueous		20%	+	-	-
Chlorinated lime			+	+	
Chlorine, aqueous solution (chlorine water)	Cl ₂ + H ₂ O	saturated	*	-	-
Chlorine, gaseous, dry			-	-	-
Chlorine, gaseous, moist			-	-	-
Chlorine, liquid			-	-	-
Chlorine bleaching solution with 12.5% active chlorine			-	-	-
Chloroacetic acid, aqueous	ClCH ₂ CO ₂ H	< 85%	+	+	
Chlorobenzene	C ₆ H ₅ Cl		-	-	-
Chloroform	CHCl ₃	techn. grade	-	-	-
Chloromethyl bromide	CH ₂ ClBr		-	-	-
Chlorosulphonic acid	CISO ₃ H	techn. grade	-	-	-
Chrome alum (Potassium chromic sulphate) aqueous		saturated	+	+	+
Chrome anode slime			+		
Chromic acid, aqueous (See Note 7)		50%	-	-	-
Chromium trioxide, aqueous	CrO ₃	50%	-	-	-
Chromosulphuric acid			-	-	-
Cider			+	+	+
Citric acid, aqueous	C(OH)(COOH)(CH ₂ COOH) ₂ .H ₂ O	saturated	+	+	+
Citrus juices			+	+	
Coal tar oil			-	-	-
Coconut oil			+		
Coconut oil alcohol			+		
Cod liver oil			+		
Coffee extract			+	+	
Cognac			+		
Cola concentrates			+	+	
Common salt, aqueous	NaCl	any	+	+	+
Copper chloride, aqueous	CuCl, CuCl ₂ , CuCl ₂ .2H ₂ O	saturated	+	+	+
Copper cyanide, aqueous	Cu CN ₂	saturated	+	+	
Copper fluoride, aqueous	Cu F ₂	saturated	+		
Copper nitrate, aqueous	Cu(NO ₃) ₂ .3H ₂ O, Cupric nitrate	30%	+	+	
Copper sulphate, aqueous	CuSO ₄ , CuSO ₄ .5H ₂ O, Cupric sulphate	any	+	+	+

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			20 °C	60 °C	80 °C
Corn oil			+	+	
Cottonseed oil			+	+	
Coumarone resins			+		
Creosote			*		
Cresol	CH ₃ (C ₆ H ₄)OH	100%	+		
Cresol, aqueous	Isomers of CH ₃ .C ₆ H ₄ .OH,	dilute	+		
Crotonaldehyde	Cresylic acid	techn. grade	+		
Cyclanone (fatty alcohol sulphonate)	CH ₃ CH=CHCHO	as supplied commercially	+	+	
Cyclohexanol	CH ₂ -(CH ₂) ₄ .CH.OH		+	+	
Cyclohexanone (Anon)	CH ₂ -(CH ₂) ₄ .CO		+		
Decahydronaphthalene (* Dekalin)	C ₁₀ H ₁₈	techn. grade	-	-	
Detergents			+	+	
Developer solutions (photographic)			+	+	
Dextrin (starch gum), aqueous	O(CH.OH) ₄ .CH.CH ₂ OH, D-Glucose	18%	+	+	+
Dextrose, aqueous	H ₂ NCH ₂ CH ₂ NH ₂	any	+	+	+
1,2-Diaminoethane (Ethylenediamine)	BrCH ₂ CH ₂ Br	techn. grade	+	+	
1,2-Dibromoethane	[CH ₃ (CH ₂) ₃]O		-	-	-
Dibutyl ether	C ₆ H ₄ (COOC ₄ H ₉) ₂	techn. grade	+		
Dibutyl phthalate (Butyl phthalate)	CH ₃ (CH ₂) ₃ O ₂ C(CH ₂) ₈ CO ₂ (CH ₂) ₃ CH ₃		+		
Dibutyl sebacate	Cl ₂ CHCOOH	techn. grade	+		
Dichloroacetic acid	Cl ₂ CHCO ₂ CH ₃		-	-	-
Dichloroacetic acid methyl ester	C ₆ H ₄ Cl ₂		-	-	-
Dichlorobenzene					
Dichlorodiphenyltrichloroethane (DDT, powder)	[CH ₂ (OH).CH ₂] ₂ NH	techn. grade	+	+	
Diethanolamine	(HOCH ₂ CH ₂) ₂ O		+		
Diethylene glycol	(C ₂ H ₅) ₂ O		+	+	
Diethyl ether	O(CH ₂ CO ₂ H) ₂	30%	-	-	-
Diglycolic acid, aqueous	C ₆ H ₄ (COOC ₆ H ₁₁) ₂	techn. grade	+	+	
Diisopropyl phthalate	[(CH ₃) ₂ CH.CH ₂] ₂ CO	techn. grade	+		
Diisobutylketone	C ₆ H ₄ (COOC ₈ H ₁₇) ₂	techn. grade	+	-	-
Diis octyl phthalate	(CH ₃) ₂ NH	techn. grade	+		
Dimethylamine	H.CO.N(CH ₃) ₂ , DMF, N.		+		
Dimethyl formamide	N-Dimethylformamide	techn. grade	+	+	
Dinonyl phthalate (DNP)	C ₆ H ₄ (COOC ₉ H ₁₉) ₂	techn. grade	+		
Diocyl phthalate	C ₆ H ₄ [COOCH ₂ .CH(C ₂ H ₅)(CH ₂) ₃ CH ₃] ₂ , Di-(2-ethylhexyl) phthalate, DOP		+		
Disodium phosphate	Na ₂ HPO ₄		+	+	+
Disodium sulphate	Na ₂ SO ₄		+	+	+
Dodecylbenzenesulphonic acid	C ₁₂ H ₂₅ C ₆ H ₄ SO ₃ H		+		
Drinking water, also chlorinated	H ₂ O		+	+	+
Emulsions (photographic)			+	+	
Epichlorohydrin	CICH ₂ (CH ₂) ₂ O		+		
Ethanolamine (2-Aminoethanol)	H ₂ NCH ₂ CH ₂ OH	techn. grade	+		
Ethanol	CH ₃ CH ₂ OH	96%	+	+	+
Ether, Diethyl ether	(C ₂ H ₅) ₂ O		-	-	-
Ethylenediamine tetraacetic acid	[CH ₂ .N(CH ₂ .COOH)] ₂		+	+	+
Ethylene chlorohydrin (Chloroethanol)	CICH ₂ CH ₂ OH	techn. grade	+	+	
Ethylene diamine (1,2-Diaminoethane)	H ₂ NCH ₂ CH ₂ NH ₂	techn. grade	+	+	
Ethylene dichloride (Dichloroethane)	CICH ₂ CH ₂ Cl		-	-	-
Ethylene glycol	CH ₂ (OH).CH ₂ OH		+	+	+

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			20 °C	60 °C	80 °C
Ethylene glycol monobutyl ether	HOCH ₂ CH ₂ OC ₄ H ₉	techn. grade	+		
Ethylene oxide, gaseous	CH ₂ .CH ₂ O		+		
Ethyl acetate	CH ₃ .COO.C ₂ H ₅	techn. grade	+		
Ethyl alcohol	C ₂ H ₅ OH	techn. grade	+	+	+
Ethyl alcohol + Acetic acid (fermentation mixture)		as used in brewing	+	+	
Ethyl benzene	C ₆ H ₅ CH ₂ CH ₃	techn. grade	-	-	-
Ethyl chloride	C ₂ H ₅ Cl	techn. grade	-	-	-
Ethyl chloride (Chloroethante)	CH ₃ CH ₂ Cl	techn. grade	-	-	-
Ethyl ether	(C ₂ H ₅) ₂ O	techn. grade	-	-	-
Ethyl ether (Diethyl ether)	(C ₂ H ₅)O		-	-	-
Fatty acids			+	+	
Fatty acid amides			+		
Fatty alcohols			+		
Ferric ammonium sulphate, aqueous	NH ₄ Fe(SO ₄) ₂ . 12H ₂ O saturated		+	+	+
Ferric chloride	FeCl ₃ , FeCl ₃ .6H ₂ O, Iron (III) chloride	saturated	+	+	+
Ferric nitrate, aqueous	Fe(NO ₃) ₃ .9H ₂ O, Iron (III) nitrate	saturated	+	+	+
Ferric sulphate, aqueous (See Note 3)	Fe ₂ (SO ₄) ₃ , Fe ₂ (SO ₄) ₃ .xH ₂ O, Iron (III) sulphate		+	+	+
Ferrous chloride, aqueous	FeCl ₂ .4H ₂ O	saturated	+	+	+
Ferrous sulphate, aqueous	FeSO ₄ .7H ₂ O	saturated	+	+	+
Fertilizer salts, aqueous		any	+	+	
Fluorine, gaseous	F ₂		-	-	-
Formaldehyde, aqueous	HCHO	up to 40%	+	+	
Formamide	HCONH ₂		+	+	
Formic acid, aqueous	H.COOH	10%	+	+	
Formic acid, aqueous		85%	+		
Fructose	O.CH ₂ .{(CH.OH) ₃ .C(OH).CH ₂ OH}, Laevulose		+	+	+
Fruit juices		any	+	+	+
Fruit juices, fermented			+	+	+
Fruit pulp			+	+	+
Fuming sulphuric acid	(H ₂ SO ₄ + SO ₃)	any	-	-	-
Furfuryl alcohol	O.CH:CH.CH:C.CH ₂ OH		+		
Gas, manufactured			+		
Gas, natural		as supplied commercially	+		
Geletin		techn. grade	+	+	+
Gin			+		
Glacial acetic acid (100% acetic acid)	CH ₃ COOH	techn. grade	+		-
Glauber's salt, aqueous	Na ₂ SO ₄ .10H ₂ O	any	+	+	+
Glucose, aqueous		any	+	+	+
Glycerin(e)	CH ₂ OH.CHOH.CH ₂ OH, Glycerol 1,2,3-Propanetriol		any	+	+
Glycine (Aminoacetic acid)	H ₂ NCH ₂ CO ₂ H		+	+	
Glycolic Acid, aqueous	HOCH ₂ CO ₂ H	up to 70%	+		
Heptane	CH ₃ (CH ₂) ₅ CH ₃		-	-	-
Hexafluorosilicic acid, aqueous	H ₂ SIF ₆	40%	+	+	
Hexane	CH ₃ (CH ₂) ₄ CH ₃		-	-	-
Hexanetriol	HO(CH ₂) ₄ CH(OH)CH ₂ OH		+	+	+
Honey			+	+	+
Hydrazine hydrate	NH ₂ .NH ₂ H ₂ O		+		
Hydrobromic acid, aqueous	HBr	50%	+	+	
Hydrochloric acid, aqueous	HCl	any	+	+	
Hydrocyanic acid	HCN		+	+	

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Hydrofluoric acid, aqueous	HF	85%	+		
Hydrogen	H ₂		+	+	
Hydrogen chloride gas, dry and moist			+	+	
Hydrogen peroxide, aqueous	H ₂ O ₂	10%	+	+	
Hydrogen peroxide, aqueous		30%	+		
Hydrogen sulphide, aqueous	H ₂ S	saturated	+	+	
Hydrogen sulphide, gaseous			+	+	
Hydroxylamine sulphated, aqueous	(H ₂ NOH) ₂ .H ₂ SO ₄	12%	+	+	
Hypochlorous acid	HOCl		*	*	
Ink			+	+	
Iodine in potassium iodide solution			*	*	
Iodine tincture			*		
Isobutyl alcohol (Isobutanol)	C ₂ H ₅ CH(OH)CH ₃		+		
Isooctane	(CH ₃) ₂ CHCH ₂ C(CH ₃) ₃		-	-	
Iopropanol	(CH ₃) ₂ CHOH	techn. grade	+	+	+
Iopropyl ether	[(CH ₃) ₂ CH] ₂ O	techn. grade	-	-	-
i-Propanol (i-Propyl alcohol)	(CH ₃) ₂ CHOH		+	+	+
Jam			+	+	+
Lactic acid, aqueous	CH ₃ .CHOH.COOH	any	+	+	+
Lactose (milk sugar)			+	+	+
Lanolin			+		
Latex			+	+	
Lead acetate, aqueous	(CH ₃ .COO) ₂ Pb.3H ₂ O	any	+	+	+
Lead tetraethyl			+		
Lime (See Note 5)			+	+	+
Lime water			+	+	+
Linseed oil			+	+	+
Lithium bromide			+	+	+
Magnesium carbonate	MgCO ₃ , MgCO ₃ .3H ₂ O, MgCO ₃ .5H ₂ O				
Magnesium chloride, aqueous	MgCl ₂ , MgCl ₂ .6H ₂ O		+	+	+
Magnesium hydroxide (See Note 5)	Mg(OH) ₂		+	+	+
Magnesium iodide	Mg I ₂	any	+	+	+
Magnesium sulphate (Epsom salts), aqueous	MgSO ₄ , MgSO ₄ .H ₂ O, MgSO ₄ 7H ₂ O	up to 100%	+	+	+
Maleic acid, aqueous	HO ₂ CCH=CHCO ₂ H		+	+	+
Malic acid, aqueous	HO ₂ CCH ₂ CH(OH)CO ₂ H	50%	+	+	+
Manganese sulphate	MnSO ₄		+		
Margarine			+	+	
Mash			+	+	
Mayonnaise			+		
Mercury	Hg		+	+	
Metal soaps			+	+	+
Methacrylic acid	H ₂ C= C(CH ₃)CO ₂ H		+	+	
Methanol	CH ₃ OH	techn. grade	+	+	
Methoxybutanol	CH ₃ O(CH ₂) ₄ OH		+		
Methoxybutyl acetate (® Butoxyl)	CH ₃ CO ₂ (CH ₂) ₄ OCH ₃		+		
Methylamine, aqueous	CH ₃ NH ₂	32%	+		
Methylene chloride (dichloromethane)	CH ₂ Cl ₂		-	-	-
Methylisobutyl ketone	(CH ₃) ₂ CH.CH ₂ .COCH ₃	techn. grade	+		
Methyl acetate (Acetic acid methyl ester)	CH ₃ CO ₂ CH ₃	techn. grade	+	+	
Methyl alcohol	CH ₃ OH		+	+	

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Methyl benzene	C ₆ H ₅ CH ₃		-	-	
Methyl bromide (Bromomethane), gaseous	CH ₃ Br	techn. grade	-	-	-
Methyl chloride (Chloromethane), gaseous	CH ₃ Cl	techn. grade	-	-	-
Methyl cyclohexane	C ₆ H ₁₁ CH ₃		-	-	-
Methyl ethyl ketone	C ₂ H ₅ .CO.CH ₃	techn. grade	+		
Methyl glycol			+	+	
4-Methyl pentanol-2	(CH ₃) ₂ CHCH ₂ CH(OH)CH ₃		+		
Methyl propyl ketone	CH ₃ COCH ₂ CH ₂ CH ₃		+		
Methyl salicylate (Salicyclic acid methyl ester)	2-(HO)C ₆ H ₄ CO ₂ CH ₃		+		
Methyl sulphuric acid	CH ₃ OSO ₂ OH	50%	+	+	
Milk			+	+	+
Mineral water			+	+	+
Molasses			+	+	
Molasses wort			+	+	
Monochloroacetic acid	CICH ₂ CO ₂ H		+	+	
Monochloroacetic acid ethyl ester	CICH ₂ CO ₂ C ₂ H ₅		+	+	
Monochloroacetic acid methyl ester	CICH ₂ CO ₂ CH ₃		+	+	
Morpholine	NHCH ₂ CH ₂ OCH ₂ CH ₂		+	+	
Mustard			+	+	+
Must			+	+	+
Nail varnish remover	(see note 4)				
Nickel chloride	NiCl ₂ , NiCl ₂ . 6H ₂ O		+	+	+
Nickel nitrate	Ni(NO ₃) ₂ . 6H ₂ O		+	+	+
Nickel sulphate, aqueous	NiSO ₄ , NiSO ₄ . 6H ₂ O		+	+	+
Nicotinic acid	C ₆ H ₄ NCOOH	any	+	+	+
Nitric acid	HNO ₃	25%	+	-	-
2,2',2"-Nitrilotriethanol (Triethanolamine),	(HOCH ₂ CH ₂) ₃ N		+	+	
Nitrobenzene	C ₆ H ₅ NO ₂		+	+	
Nitrocellulose			+		
o-Nitrotoluene	CH ₃ . C ₆ H ₄ NO ₂		+	-	
Nonyl alcohol (nonanol)	CH ₃ (CH ₂) ₈ OH		+		
Nut oil			+		
Octyl cresol	CH ₃ (CH ₂) ₇ C ₆ H ₃ (CH ₂)OH	techn. grade		-	
Oleic acid	CH ₃ (CH ₂) ₇ CH:CH(CH ₂) ₇ COOH,		+	-	
	9-Octadecanoic acid				
Olive oil			+	+	+
Orange juice			+	+	+
Oxalic acid, aqueous	(COOH) ₂ H ₂ O	any	+	+	+
Oxygen	O ₂		+	+	
Ozone	O ₃	50 pphm	+	*	
Palmitic acid	CH ₃ . (CH ₂) ₁₄ . COOH		+	+	
Palmityl alcohol			+	+	
Palm nut oil			+	+	
Paraformaldehyde	(CH ₂ O)n		+	+	
Peanut oil		techn. grade	+	+	
Pentanol	CH ₃ (CH ₂) ₄ OH		+		
Perchloric acid, aqueous	HClO ₄	20%	+	+	
Phenol (Carbolic acid)	C ₆ H ₅ OH		+	+	
Phenyl ethyl alcohol	C ₆ H ₅ CH ₂ CH ₂ OH		+		

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Substance	Formula	Concentration	Chemical Resistance of KKVJ		
			20 °C	60 °C	80 °C
Phenyl hydrazine hydrochloride	C ₆ H ₅ NHNH ₂ .HCl		+		
Phenyl sulphonate (Sodium dodecyl benzene sulphonate)	C ₁₂ H ₂₅ C ₆ H ₄ SO ₃ Na		+	+	
Phosgene, liquid	H ₃ PO ₄	100%	-		
Phosphoric acid, aqueous		50%	+	+	
Phosphoric acid, aqueous		80%...95%	+		+
Phosphorus oxychloride	POCl ₃		+		
Phosphorus pentoxide	P ₂ O ₅	100%	+		
Phosphorus trichloride	PCl ₃		+		
Phthalic acid, aqueous	C ₆ H ₄ -1, 2-(CO ₂ H) ₂	50%	+	+	
Phthalic acid dibutyl ester (Dibutyl phthalate)	C ₆ H ₄ (COOC ₄ H ₉) ₂	techn. grade	+		
Picric acid, aqueous	(O ₂ N) ₃ C ₆ H ₂ OH	1%	+		
Pineapple juice			+	+	
Pine needle oil			+	+	
Polyglycols			+	+	
Potassium aluminium sulphate, aqueous	KAl(SO ₄) ₂ . 12H ₂ O	any	+	+	+
Potassium bicarbonate, aqueous	KHCO ₃	saturated	+	+	+
Potassium bicromate, aqueous	K ₂ Cr ₂ O ₇	any	+	+	+
Potassium bisulphate, aqueous	KHSO ₄	saturated	+	+	+
Potassium meta bisulphate, aqueous	K ₂ S ₂ O ₅	saturated	+	+	+
Potassium borate, aqueous	KBO ₂	1%	+	+	+
Potassium bromate, aqueous	KBrO ₃	up to 10%	+	+	+
Potassium bromide, aqueous	KBr	any	+	+	+
Potassium carbonate	K ₂ CO ₃ , K ₂ CO ₃ . 1½H ₂ O, Potash	any	+	+	+
Potassium chlorate, aqueous	KClO ₃	any	+	+	+
Potassium chloride, aqueous	KCl	any	+	+	+
Potassium chromate, aqueous	K ₂ CrO ₄	40%	+	+	+
Potassium chromic sulphate (Chrome alum), aqueous	KCr(SO ₄) ₂ . 12H ₂ O		+	+	+
Potassium cyanide, aqueous	KCN	any	+	+	+
Potassium dichromate, aqueous	K ₂ Cr ₂ O ₇	saturated	+	+	+
Potassium ferricyanide, aqueous	K ₃ Fe(CN) ₆	any	+	+	+
Potassium ferrocyanide, aqueous	K ₄ Fe(CN) ₆ . 3H ₂ O	saturated	+	+	+
Potassium fluoride, aqueous	KF	any	+	+	+
Potassium hexacyanoferrate, aqueous	K ₃ Fe(CN) ₆ or K ₄ Fe(CN) ₆ . 3H ₂ O	any	+	+	+
Potassium hydrogen carbonate, aqueous			+	+	+
Potassium hydrogen sulphate, aqueous	KHCO ₃	saturated	+	+	+
Potassium hydrogen sulphate, aqueous	KHSO ₄	saturated	+	+	+
Potassium hydroxide, aqueous	K ₂ S ₂ O ₅	saturated	+	+	+
Potassium hydroxide, aqueous	KOH	any	+	+	+
Potassium iodide, aqueous	KI	any	+	+	+
Potassium nitrate, aqueous	KNO ₃	any	+	+	+
Potassium perchlorate, aqueous	KClO ₄	1%	+	+	
Potassium permanganate, aqueous	KMnO ₄	up to 6%	+		
Potassium persulphate, aqueous	K ₂ S ₂ O ₈	any	+	+	+
Potassium phosphate, aqueous	K ₂ PO ₄	saturated	+	+	+
Potassium sulphate, aqueous	K ₂ SO ₄	any	+	+	+
Potassium sulphide, aqueous	K ₂ S	saturated	+	+	
Potassium sulphite, aqueous	K ₂ SO ₃ .2H ₂ O	saturated	+	+	+
Potassium thiosulphate, aqueous	K ₂ S ₂ O ₃ .H ₂ O	saturated	+	+	+
Propanol (Propyl alcohol)	CH ₃ CH ₂ CHOH	techn. grade	+	+	
i-Propanol (i-Propyl alcohol)	(CH ₃) ₂ CHOH	techn. grade	+	+	
n-Propanol (n-Propyl alcohol)	CH ₃ CH ₂ CHDH	techn. grade	+	+	
Propargyl alcohol, aqueous	HC≡CCH ₂ OH	7%	+	+	

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Substance	Formula	Concentration	Chemical Resistance of KKJ		
			20 °C	60 °C	80 °C
Propionic acid, aqueous	CH ₃ CH ₂ COOH	any	+	+	-
Propylene dichloride	CH ₂ ClCHCl	100%	-	-	-
Propylene glycol	CH ₂ (CH ₂ OH) ₂ , Propane-1, 2-diol, CH ₃ CH(OH)CH ₂ OH, Propane-1,3-diol		+	+	+
Pyridine	C ₅ H ₅ N	*	*	*	
Quinine	C ₂₀ H ₂₄ N ₂ O ₂		+	+	
Rubber dispersions (latex)			+	+	
Salicylic acid	HO-C ₆ H ₄ COOH		+	+	
Salt brines		saturated	+	+	
Sauerkraut (pickled cabbage)			+	+	+
Sea water			+	+	+
Silicic acid, aqueous	H ₂ SiO ₃	any	+	+	
Silicone emulsion		as supplied commercially			
Silicone oil		technical	+	+	+
Silver nitrate, aqueous	AgNO ₃	any	+	+	+
Soap solution, aqueous		any	+	+	+
Soda (Sodium carbonate), aqueous	CH ₃ COONa, CH ₃ .COONa.3H ₂ O	any	+	+	+
Sodium acetate, aqueous			+	+	+
Sodium aluminium sulphate	NaAl(SO ₄) ₂ ·12H ₂ O		+	+	+
Sodium benzoate, aqueous	C ₆ H ₅ -COONa	any	+	+	+
Sodium bicarbonate, aqueous	NaHCO ₃	saturated	+	+	+
Sodium bisulphate, aqueous	NaHSO ₄ ·H ₂ O	saturated	+	+	+
Sodium bisulphite, aqueous	Na ₂ S ₂ O ₅	saturated	+	+	+
Sodium borate	Na ₂ B ₄ O ₇		+	+	+
Sodium bromide	NaBr		+	+	+
Sodium carbonate, aqueous	Na ₂ CO ₃ , Na ₂ CO ₃ ·10H ₂ O, Soda	any	+	+	+
Sodium chlorate, aqueous	NaClO ₃	saturated	+	+	
Sodium chloride, aqueous	NaCl	any	+	+	+
Sodium chlorite, aqueous	NaClO ₂	50%	+	+	
Sodium chromate	Na ₂ CrO ₄		+	+	+
Sodium cyanide	NaCN		+	+	+
Sodium dichromate	Na ₂ Cr ₂ O ₇ ·2H ₂ O		+	+	+
Sodium dodecylbenzenesulphonate	C ₁₂ H ₂₅ C ₆ H ₄ SO ₃ Na		+	+	+
Sodium ferricyanide	Na ₃ Fe(CN) ₆ ·H ₂ O		+	+	+
Sodium fluoride	NaF		+	+	+
Sodium hexacyanoferrate (III) (sodium ferrocyanide), aqueous	Na ₃ Fe(CN) ₆ ·H ₂ O		+	+	+
Sodium hexacyanoferrate (II)	Na ₄ Fe(CN) ₆ ·3H ₂ O		+	+	+
Sodium hexametaphosphate, aqueous	(NaPO ₃) ₆	saturated	+	+	+
Sodium hydrogen carbonate, aqueous	NaHCO ₃		+	+	+
Sodium hydrogen sulphate, aqueous	NaHSO ₄	saturated	+	+	+
Sodium hydrogen sulphite, aqueous	NaHSO ₃	saturated	+	+	+
Sodium hydroxide, aqueous	NaOH	saturated	+	+	+
Sodium hydroxide, solid			+	+	
Sodium hypochlorite, aqueous with ≥ 5% active chlorine	NaOCl		-	-	-
Sodium nitrate, aqueous	NaNO ₃	any	+	+	+
Sodium perborate, aqueous	NaBO ₃ ·4H ₂ O				
Sodium phosphate(s)	Na ₂ HPO ₄ , NaPO ₄ ·12H ₂ O, NaH ₂ PO ₄ , Na ₄ P ₂ O ₇ ·10H ₂ O	any	+	+	+
Sodium silicate, aqueous	A waterglass, NaO _x ·SiO ₂ where x = 3 to 5				
Sodium sulphate, aqueous	Na ₂ SO ₄ ·Na ₂ SO ₄ ·10H ₂ O, Glauber's salt	any	+	+	+
Sodium sulphide, aqueous		cold saturated	+	+	+
		saturated	+	+	

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Substance	Formula	Concentration	Chemical Resistance of KKVJ		
			20 °C	60 °C	80 °C
Sodium sulphite, aqueous	Na ₂ SO ₃ , Na ₂ SO ₃ .9H ₂ O	40%	+	+	+
Sodium tetraborate (Borax), aqueous	Na ₂ B ₄ O ₇ . 10H ₂ O, Borax	saturated	+	+	+
Sodium thiosulphate, aqueous	Na ₂ S ₂ O ₃ , Na ₂ S ₂ O ₃ . 5H ₂ O	saturated	+	+	+
Soft soap			+	+	+
Soya bean oil			+		
Spermaceti			+		
Stannic chloride, aqueous	SnCl ₄ , SnCl ₄ .5H ₂ O	saturated	+	+	+
Stannous chloride, aqueous	SnCl ₂ , SnCl ₂ .2H ₂ O	any	+	+	+
Starch, aqueous	C ₆ H ₁₀ O ₅	any	+	+	+
Starch gum		18%	+	+	+
Starch syrup			+	+	+
Stearic acid (See Note 2)	CH ₃ .(CH ₂) ₁₆ .COOH		+		
Styrene	C ₆ H ₅ CHCH ₂		+		
Succinic acid, aqueous	HOOC(CH ₂) ₂ COOH	50%	+	+	
Sugar syrup			+	+	+
Sulphuric acid, aqueous	H ₂ SO ₄	up to 50%	+	+	
Sulphuric acid, aqueous		80%	+	*	
Sulphuric acid, aqueous		98%	*	-	
Sulphur (See Note 2)	S ₈		+	+	+
Sulphurous acid	H ₂ SO ₃		+	+	
Sulphonyl chloride (sulphonyl chloride)	SO ₂ Cl ₂	techn. grade	-	-	-
Sulphur dioxide, aqueous	SO ₂	any	+	+	
Sulphur dioxide, gaseous			+	+	
Sulphur trioxide	SO ₃		-	-	-
Tallow		techn. grade	+	+	
Tannic acid (tannin), aqueous		10%	+	+	
Tanning extracts, vegetable		as supplied	+	*	
Tartaric acid, aqueous	(CHOH.COOH) ₂	any	+	+	
Tetrachloroethane	CHCl ₂ . CHCl ₂		-	-	-
Tetrachloromethane (Carbon tetrachloride)	CCl ₄	techn. grade	-	-	-
Tetrahydrofuran	CH ₂ (CH ₂). CH ₂ O 	techn. grade	-	-	-
Tetrahydronaphthalene	C ₆ H ₄ CH ₂ CH ₂ CH ₂ CH ₂ 	techn. grade	-	-	-
Thioglycolic acid	HSCH ₂ CO ₂ H		+	+	
Thionyl chloride	SOCl ₂		-	-	-
Thiophene	S(CH ₃) ₃ CH 		-	-	-
Toluene	C ₆ H ₅ . CH ₃	techn. grade	-	-	-
Toluic acids (methyl benzoic acids)	CH ₃ . C ₆ H ₄ COOH	saturated	*		
Tomato juice			+	+	+
Tributyl phosphate	(C ₄ H ₉) ₃ PO ₄		+	+	
Trichloroacetaldehyde (chloral)	CCl ₃ CHO	techn. grade	+	+	
Trichloroacetic acid	CCl ₃ COOH	techn. grade	+		
Trichloroethylene	CHCl: CCl ₂	techn. grade	-	-	-
Tricesyl phosphate	(CH ₃ .C ₆ H ₄) ₃ PO ₄		+		
Triethanolamine	(HO CH ₂ CH ₂) ₃ N		+		
Triethanolamine (2,2'2"- Nitrilotriethanol), aqueous		saturated	+		
Triethylene glycol	HOCH ₂ CH ₂ OCH ₂ CH ₂ OCH ₂ CH ₂ OH		+	+	

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			20°C	60°C	80°C
Trioctyl phosphate	(C ₈ H ₁₇) ₃ PO ₄	techn. grade	+		
Trisodium phosphate	Na ₃ PO ₄ ·12H ₂ O		+	+	+
Tri-β-chloroethylphosphate	(ClCH ₂ CH ₂ O) ₃ PO		+		
Turpentine oil			-	-	-
* Tween 20 and 80			+	+	
Urea, aqueous	NH ₂ .CO.NH ₂				
Uric acid (See note 2)	C ₅ H ₄ N ₄ O ₃	up to 33%	+	+	+
Urine			+	+	
Vaseline		techn. grade as supplied commercially	+	*	
Vinegar (wine vinegar)			+	+	
Vinylidene chloride	CH ₂ CCl ₂	techn. grade	-	-	-
(1,1 - Dicloroethylene)	CH ₃ COO.CH ₂ CH ₂		+	*	
Vinyl acetate			+		
Viscose spinning solutions			+	+	
Vitamin C			+		
Vitamin preparations, dry (powder)			+		
Walnut oil		usual	+		
Washing up liquids			+	+	
Water, distilled	H ₂ O		+	+	+
Whey			+	+	+
Whisky			+		
White spirit			-	-	-
Wine		techn. grade as supplied	+	+	
Wine vinegar (table vinegar)			+		
Xylene	C ₆ H ₄ (CH ₃) ₂		-	-	-
Yeast			+		
Zinc carbonate (See note 5)	ZnCO ₃ .2ZnO·3H ₂ O	any	+	+	+
Zinc chloride, aqueous	ZnCl ₂		+	+	
Zinc oxide (See note 5)	ZnO		+	+	+
Zinc stearate	[CH ₃ (CH ₂) ₁₆ CO ₂] ₂ Zn		+	+	+
Zinc sulphate, aqueous	ZnSO ₄ .7H ₂ O		+	+	+

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