

Stored Substance		Max. Density g/cm <sup>3</sup>	Concentration	Operating Temp. (°C)	Chemical Resistance	
					PE-HD	PP
Acetol-20		1,09		30	+	+
Acetic acid	CH <sub>3</sub> COOH	1,07	≤ 60 %	30 40	+	+
Acetic acid	CH <sub>3</sub> COOH	1,08	≤ 80 %	30 40	+	+
Acetic acid 99 %		1,05		20	+	+
Acetol-80		1,10		30	+	+
Adhesive 1041/75 P				30	+	+
Alkan sulfonate 30		1,06		20	+	+
Alnat A 3		1,36		20	+	+
Aluminium chloride	AlCl <sub>3</sub>	1,15	≤ sat. sol.	30 40 60 80	+	+
Aluminium sulfate	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	1,33	≤ sat. sol.	30 40 60 80	+	+
Ammonium acetate	CH <sub>3</sub> COONH <sub>4</sub>	1,0	≤ sat. sol.	30 40 60 80	+	+
Ammonium bromide	NH <sub>4</sub> Br	1,0	≤ sat. sol.	30 40 60 80	+	+
Ammonium carbonate	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>	1,0	≤ sat. sol.	30 40 60 80	+	+
Ammonium chloride	NH <sub>4</sub> Cl	1,0	≤ sat. sol.	30 40 60 80	+	+
Ammonium dihydrogen phosphate	NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>	1,0	≤ sat. sol.	30 40 60 80	+	+
Ammonium fluoride	NH <sub>4</sub> F	1,0	≤ sat. sol.	30 40 60 80	+	+
Ammonium hydrogen carbonate	NH <sub>4</sub> HCO <sub>3</sub>	1,0	≤ sat. sol.	30 40 60 80	+	+
Ammonium hydrogen phosphate	(NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	1,0	≤ sat. sol.	30 40 60 80	+	+

Stored Substance		Max. Density g/cm <sup>3</sup>	Concentration	Operating Temp. (°C)	Chemical Resistance	
					PE-HD	PP
Ammonium nitrate	NH <sub>4</sub> NO <sub>3</sub>	1,0	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Ammonium phosphate	(NH <sub>4</sub> ) <sub>3</sub> PO <sub>4</sub>	1,0	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Ammonium sulfate	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	1,0	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Ammonium sulfide	(NH <sub>4</sub> ) <sub>2</sub> S	1,0	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Antispumine				20	+	+
				40	+	+
Aqueous ammonia (solution)	NH <sub>4</sub> OH	1,0	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
Barium carbonate	BaCO <sub>3</sub>	1,0	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Barium chloride	BaCl <sub>2</sub>	1,0	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Barium hydroxide	Ba(OH) <sub>2</sub>	1,0	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Barium nitrate	Ba(NO <sub>3</sub> ) <sub>2</sub>	1,0	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Barium sulfate	BaSO <sub>4</sub>	1,0	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Barium sulfide	BaS	1,0	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Basoplast 2650				20	+	+
Battery acid	H <sub>2</sub> SO <sub>4</sub>	1,29	common. com (< 51 %)	30	+	+
				40	+	+
				60	+	+
				80		+
Bonder R 2601 A 1 or E 5				30	+	+
Cadmium chloride	CdCl <sub>2</sub>	1,82	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+

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					PE-HD	PP
Cadmium cyanide	Cd(CN) <sub>2</sub>	1,05	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Cadmium sulfate	CdSO <sub>4</sub>	1,55	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium acetate	Ca(CH <sub>3</sub> COO) <sub>2</sub>	1,13	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium bromide	CaBr <sub>2</sub>	1,64	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium carbonate	CaCO <sub>3</sub>	1,48	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium chloride	CaCl <sub>2</sub>	1,40	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium fluoride	CaF <sub>2</sub>	1,48	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium hydroxide (lime milk)	Ca(OH) <sub>2</sub>	1,22	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium nitrate	Ca(NO <sub>3</sub> ) <sub>2</sub>	1,42	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium sulfate (plaster of Paris)	CaSO <sub>4</sub>	1,50	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium sulfide	CaS	1,50	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Calcium sulfite	CaSO <sub>3</sub>		suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Chlorin water	Cl <sub>2</sub> . H <sub>2</sub> O		any	30	+	+
				40	+	+
Citric acid	C <sub>3</sub> H <sub>4</sub> OH(CO <sub>2</sub> H) <sub>3</sub>		≤ 10 %	30	+	+
				40	+	+
				60	+	+
				80		+
Citric acid 50 %		1,04		30	+	+
Coatex AB 70/30				30	+	+

Stored Substance		Max. Density g/cm <sup>3</sup>	Concentration	Operating Temp. (°C)	Chemical Resistance	
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Copper (II) chloride	CuCl <sub>2</sub>	1,25	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Copper(I) cyanide	CuCN		≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Copper(II) cyanide	Cu(CN) <sub>2</sub>	1,05	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Copper(II) nitrate	Cu(NO <sub>3</sub> ) <sub>2</sub>	1,25	≤ sat. sol..	30	+	+
				40	+	+
				60	+	+
				80		+
Copper(II) sulfate	CuSO <sub>4</sub>	1,21	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Cumol sulfate				30	+	+
Diammonium hydrogen phosphate solution				30	+	+
Dielektra sodium persulfate solution				30	+	+
Diethylene triamine pentaacetic acid (e.g.. as Trilon C)			common. com.	30	+	+
				40	+	+
Dissolvine D-40		1,3		30	+	+
				40	+	+
Divoflow 100		1,4		30	+	+
				40	+	+
Divomil Es Plus		1,3		30	+	+
				40	+	+
Eisen(III) chloride sulfate	FeClSO <sub>4</sub>	1,50	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Ether sulfate		1,05		30	+	+
				40	+	+
Ethylene diamine tetraacetic acid	C <sub>2</sub> H <sub>4</sub> N <sub>2</sub> (CH <sub>2</sub> COOH) <sub>4</sub>	1,16	common. com.	30	+	+
				40	+	+
Ethylene glycol	(CH <sub>2</sub> OH) <sub>2</sub>	1,11	TP	30	+	+
				40	+	+
Ferrous(II) chloride	FeCl <sub>2</sub>		≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Ferrous(II) sulfate	FeSO <sub>4</sub>	1,22	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Ferrous(III) chloride	FeCl <sub>3</sub>	1,55	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+

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Fertilizer salts			≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Formaldehyde	HCHO	1,13	≤ 40 %	30	+	+
				40	+	+
Formic acid	HCOOH	1,14	≤ 60 %	30	+	+
				40	+	+
Formic acid	HCOOH	1,4	≤ 85 %	30	+	+
				40	+	+
Glycerine	C <sub>3</sub> H <sub>5</sub> (OH) <sub>3</sub>			30	+	+
				40	+	+
Glycolic acid	CH <sub>2</sub> OHCOOH	1,33	≤ sat. sol.	30	+	+
				40	+	+
High Speed Accu Guard Replenisher		1,03		30	+	+
				40	+	+
Hostalen GM 5010 T2				30	+	+
Hydrazine hydrate	N <sub>2</sub> H <sub>4</sub> . H <sub>2</sub> O	1,01	≤ 24 %	30	+	+
				40	+	+
				60	+	+
Hydrochloric acid	HCl	1,19	≤ 37 %	30	+	+
				40	+	+
				60		+
				80		+
Hydrofluoric acid	HF	1,23	≤ 75 %	30	+	+
				40	+	+
Hydrogen peroxide	H <sub>2</sub> O <sub>2</sub>	1,3	≤ 70 %	30	+	+
Hydrosulfite P liquid		1,12		30	+	+
				40	+	+
Hydroxyethylethylene diamine triacetic acid (e.g. Trilon D)		1,16	common. com.	30	+	+
				40	+	+
Hydroxyl ammonium sulfate	(NH <sub>2</sub> OH) <sub>2</sub> . H <sub>2</sub> SO <sub>4</sub>	1,05	≤ 12 %	30	+	+
				40	+	+
				60	+	+
Lactic acid 80 %		1,2		30	+	+
				40	+	+
Lead acetate	Pb(CH <sub>3</sub> COO) <sub>2</sub>			30	+	+
				40	+	+
				60	+	+
				80		+
Lead sulfate	PbSO <sub>4</sub>	1,0	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Light Water		1,06		30	+	+
				40	+	+
Liquid fertilizers			common. com.	30	+	+
				40	+	+
				60	+	+
				80		+
Lithium bromide				20	+	+

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Lutensol TO 89				30	+	+
Magnesium carbonate	MgCO <sub>3</sub>	1,48	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Magnesium chloride	MgCl <sub>2</sub>	1,30	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Magnesium hydrogen carbonate	Mg(HCO <sub>3</sub> ) <sub>2</sub>	1,06	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Magnesium sulfate	MgSO <sub>4</sub>	1,30	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Mercury(II) chloride	HgCl <sub>2</sub>		≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Mercury(II) nitrate	Hg(NO <sub>3</sub> ) <sub>2</sub>	1,05	suspension	30	+	+
				40	+	+
				60	+	+
				80		+
Mercury(II) sulfate	HgSO <sub>4</sub>	1,05	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Metakorin-SC-36		1,34		30	+	+
				40	+	+
Nadavin DHN		1,1		30	+	+
				40	+	+
Nalco 41 productline		1,1		30	+	+
				40	+	+
Nalco Trasar 23201		1,29		30	+	+
				40	+	+
Nickel chloride	NiCl <sub>2</sub>	1,35	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Nickel nitrate	Ni(NO <sub>3</sub> ) <sub>2</sub>	1,38	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Nickel sulfate	NiSO <sub>4</sub>	1,21	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Nitric acid	HNO <sub>3</sub>	1,34	≤ 55 %	30	+	
Nitrilo triacetic acid (Trilon A)	N(CH <sub>2</sub> COOH) <sub>3</sub>	1,16	common. com.	30	+	+
				40	+	+
Oekopure AN		1,29		20	+	+
OMC 639 W		1,06		30	+	+
				40	+	+

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P3-horolith MSW		1,28		30	+	+
				40	+	+
P3-horolith TR		1,19		30	+	+
				40	+	+
P3-hypochloran		1,15		30	+	+
				40	+	+
P3-mip CIP		1,36		30	+	+
				40	+	+
P3-polix spezial		1,61		30	+	+
				40	+	+
P3-stabilon Al		1,14		30	+	+
				40	+	+
P3-topax 19		1,22		30	+	+
				40	+	+
P3-topax 56		1,23		30	+	+
				40	+	+
P3-topax 99		1,0		30	+	+
				40	+	+
P3-trimeta DES		1,19		30	+	+
				40	+	+
PACO-95	Al <sub>n</sub> (OH)Cl <sub>3n-m</sub>	1,4		30	+	+
				40	+	+
Paracum-24/S		1,0		30	+	+
				40	+	+
PAX 18	Al <sub>n</sub> (OH)Cl <sub>3n-m</sub>	1,38		30	+	+
				40	+	+
Phosphoric acid	H <sub>3</sub> PO <sub>4</sub>	1,81	≤ 95 %	30	+	+
				40	+	+
Photochemicals, commercial concentrations (new + used)			common. com.	30	+	+
				40	+	+
Potassium aluminium sulfate	KAl(SO <sub>4</sub> ) <sub>2</sub>	1,06	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80	+	+
Potassium borate	K <sub>3</sub> BO <sub>3</sub>	1,09	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80	+	+
Potassium bromate	KBrO <sub>3</sub>	1,04	≤ sat. sol.	30	+	+
				40	+	+
				60		+
Potassium bromide	KBr	1,38	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Potassium chlorate	KClO <sub>3</sub>	1,04	≤ sat. sol.	30	+	+
				40	+	+
				60		+
Potassium chloride	KCl	1,16	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Potassium cyanide	KCN	1,09	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+

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Potassium fluoride	KF	1,25	≤ sat. sol.	30 40 60 80	+	+
Potassium hexacyano ferrate (II) (yellow prussiate of potash)	K <sub>4</sub> [Fe(CN) <sub>6</sub> ]	1,14	≤ sat. sol.	30 40 60 80	+	+
Potassium hexacyano ferrate (III) (red prussiate of potash)	K <sub>3</sub> [Fe(CN) <sub>6</sub> ]	1,18	≤ sat. sol.	30 40 60 80	+	+
Potassium hydrochlorite	KOCl	1,23	≤ 150 g/l	30	+	+
Potassium hydrogen carbonate	KHCO <sub>3</sub>	1,12	≤ sat. sol.	30 40 60 80	+	+
Potassium hydroxide	KOH	1,51	≤ 50 %	30 40 60	+	+
Potassium iodide	KI	1,73	≤ sat. sol.	30 40 60 80	+	+
Potassium nitrate	KNO <sub>3</sub>	1,16	≤ sat. sol.	30 40 60 80	+	+
Potassium phosphate	K <sub>3</sub> PO <sub>4</sub>		≤ sat. sol.	30 40 60 80	+	+
Potassium sulfate	K <sub>2</sub> SO <sub>4</sub>	1,08	≤ sat. sol.	30 40 60 80	+	+
Retaminol KRAITEC step		1,1		30 40	+	+
Sachtoklar		1,3		30 40	+	+
Sea water		1,11		30 40 60 80	+	+
Silver nitrate	AgNO <sub>3</sub>	1,65	≤ sat. sol.	30 40 60	+	+
Simafloc 39	Al <sub>n</sub> (OH)Cl <sub>3n-m</sub>	1,37		30	+	+
Sodium aluminuim sulfate	NaAl(SO <sub>4</sub> ) <sub>2</sub>	1,19	≤ 30 %	30 40 60 80	+	+
Sodium bromide	NaBr	1,41	≤ sat. sol.	30 40 60 80	+	+



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Sodium carbonate	Na <sub>2</sub> CO <sub>3</sub>	1,15	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium chlorate	NaClO <sub>3</sub>	1,33	≤ sat. sol.	30	+	+
				40	+	+
				60		+
Sodium chloride	NaCl	1,20	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium chlorite	NaClO <sub>2</sub>	1,30	dil.sol.	30	+	+
				40	+	+
Sodium cyanide	NaCN	1,26	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium dichromate	Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	1,7	≤ sat. sol.	30	+	+
				40	+	+
Sodium hydrogen carbonate	NaHCO <sub>3</sub>	1,06	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium hydrogen sulfate	NaHSO <sub>4</sub>	1,18	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium hydrogen sulfite	NaHSO <sub>3</sub>	1,35	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium hydroxide	NaOH	1,53	≤ 50 %	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium hypochlorite	NaOCl	1,23	≤ sat. sol.	30	+	+
Sodium nitrate	NaNO <sub>3</sub>	1,37	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium nitrite	NaNO <sub>2</sub>	1,30	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium phosphate	Na <sub>3</sub> PO <sub>4</sub>	1,11	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium polysulfide				20	+	+
Sodium polysulfide	Na <sub>2</sub> S <sub>x</sub>	1,25		30	+	
				40	+	
Sodium silicate (water class)	Na <sub>2</sub> SiO <sub>3</sub>	1,37	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+

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Sodium sulfate	Na <sub>2</sub> SO <sub>4</sub>	1,23	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium sulfide	Na <sub>2</sub> S	1,21	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium sulfite	Na <sub>2</sub> SO <sub>3</sub>	1,18	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium tetraborate (Borax)	Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub>	1,03	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Sodium thiosulfate	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	1,39	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Starch		1,05	any	30	+	+
				40	+	+
				60	+	+
Sulfuric acid	H <sub>2</sub> SO <sub>4</sub>	1,71	≤ 78 %	30	+	+
				40	+	+
				60	+	
Sulfuric acid	H <sub>2</sub> SO <sub>4</sub>	1,84	≤ 96 %	30	+	
Sulfuric acid used				20	+	+
Synthetic resin dispersion		1,20	common. com.	30	+	+
				40	+	+
Tartaric acid	(CHOH) <sub>2</sub> (COOH) <sub>2</sub>	1,05	≤ 10 %	30	+	+
				40	+	+
				60	+	+
Tetrafluoro boric acid	HBF <sub>4</sub>		≤ 50 %	30	+	+
				40		
Tetrasodium pyrophosphate	K <sub>4</sub> P <sub>2</sub> O <sub>7</sub> · 3H <sub>2</sub> O		Water hazard class 2	30	+	+
				40	+	+
Tin (II) chloride	SnCl <sub>2</sub>	1,49	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Tin (IV) chloride	SnCl <sub>4</sub>	1,49	≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
				80		+
Triacetine (Glycerine triacetate)	(CH <sub>3</sub> COO) <sub>3</sub> C <sub>3</sub> H <sub>5</sub>		TP	30	+	+
				40	+	+
Trilon A		1,3		30	+	+
				40	+	+
Urea	CO(NH <sub>2</sub> ) <sub>2</sub>		≤ sat. sol.	30	+	+
				40	+	+
				60	+	+
Vegetable oils		0,96	TP	30	+	+
				40	+	+
VR 1101-27		1,0		30	+	+
				40	+	+

Stored Substance		Max. Density g/cm <sup>3</sup>	Concentration	Operating Temp. (°C)	Chemical Resistance	
					PE-HD	PP
VTA 24/5		1,4		30 40	+	+
Waschpon 3053		1,35		30 40	+	+
Zetag 7104		1,2		30	+	+
Zinc chloride	ZnCl <sub>2</sub>	1,89	≤ sat. sol.	30 40 60 80	+	+
Zinc nitrate	Zn(NO <sub>3</sub> ) <sub>2</sub>	1,44	≤ sat. sol.	30 40 60 80	+	+
Zinc sulfate	ZnSO <sub>4</sub>	1,38	≤ sat. sol.	30 40 60 80	+	+

Legend:

+	=	resistant
%	=	weight percent
sat. sol	=	saturated solution
dil. sol.	=	dilute solution = 10%
TP	=	technically pure
common com.	=	common commercial concentrations
S	=	suspension
Solids	=	solids content