

USUAL COMMERCIAL FORM OF THE MAIN REACTANTS			GE 15 / 5	
	Pure product formula	Density Baumé degrees	Concentration % in weight or g/l	
Acids				
Hydrochloric acid	HCl	1.18 22	35.4	% HCl
Nitric acid	HNO ₃	1.35-1.36 38	56-58	% HNO ₃
Phosphoric acid	H ₃ PO ₄	1.45 45	45	% P ₂ O ₅
Phosphoric acid	H ₃ PO ₄	1.72 60	61	% P ₂ O ₅
Sulfuric acid	H ₂ SO ₄	1.83 65.5	92.3	% H ₂ SO ₄
Sulfuric acid	H ₂ SO ₄	1.84	98	% H ₂ SO ₄
Bases				
Lime	CaO	quick lime in rocky or powder form	80-95	% CaO
Lime	Ca(OH) ₂	sifted to powder	85-97	% Ca(OH) ₂
Soda	NaOH	scaled - melted	98	% NaOH
Soda - 35 % Solution		1.38 40	485	g/l NaOH
Soda - 41 % Solution		1.45 45	590	g/l NaOH
Soda - 47 % Solution		1.50 48.5	715	g/l NaOH
Clarification reactants				
Ferric chloride	FeCl ₃ .6H ₂ O	crystallised	60	% FeCl ₃
Ferric chloride	FeCl ₃	crystallised	99	% FeCl ₃
Ferric chloride - 39-41 % Solution	FeCl ₃	1.41-1.45 41.45	596	g/l FeCl ₃
Ferric chlorosulphate	FeClSO ₄	1.6	594	g/l FeCl ₃
Aluminium basic chloride (WAC)	Al _n (OH) _m Cl _{3n-m}	1.2	10	% Al ₂ O ₃
Aluminium sulfate	Al ₂ (SO ₄) ₃ .18H ₂ O	crystallised	17.2	% Al ₂ O ₃
Aluminium sulfate - 7.5-8.5 % Solution		1.3 34	8.3	% Al ₂ O ₃
Sodium silicate	nSiO ₂ .Na ₂ O	crystallised	60	% SiO ₂
Sodium silicate - 25 % Solution		1.33 36	330	g/l SiO ₂
Sodium silicate - 28 % Solution		1.37 39	380	g/l SiO ₂
Decarbonatation - Desilication				
Sodium aluminate	[1.4 Na ₂ O, Al ₂ O ₃ .] nH ₂ O	1.48 46	21	% Al ₂ O ₃
Sodium aluminate		crystallised	40	% Al ₂ O ₃
Sodium carbonate	Na ₂ CO ₃	powder	99	% Na ₂ CO ₃
Sodium carbonate	Na ₂ CO ₃ . 10H ₂ O	crystals	36	% Na ₂ CO ₃
Magnesium chloride	MgCl ₂ . 6H ₂ O	crystallised	19	% MgO
Magnesia	MgO	powder	98	% MgO
Disinfection				
Sodium chlorite	NaClO ₂	crystallised	80	% NaClO ₂
Sodium chlorite			375	g/l Cl ₂ active
25 % Solution		1.15 20	300	g/l NaClO ₂
Sodium chlorite			112	g/l Cl ₂ active
7.5 % Solution		1.05 7	90	g/l NaClO ₂
Javel extract - 47-50° chlorometric	NaClO	30	149-159	g/l Cl ₂ active
Calcium hypochlorite	Ca(ClO) ₂	crystallised	env. 600	g/kg Cl ₂ active
Conditioning				
Sodium bisulphite	NaHSO ₃	1.32 35	23-24	% SO ₂
Sodium metabisulphite	Na ₂ S ₂ O ₅	crystallised	60-62	% SO ₂
Disodic phosphate	Na ₂ HPO ₄ . 12H ₂ O	crystallised	20	% P ₂ O ₅
Trisodic phosphate	Na ₂ PO ₄ .12H ₂ O	crystallised	20	% P ₂ O ₅
Anhydrous trisodic phosphate	Na ₃ PO ₄	crystallised	40	% P ₂ O ₅
Sodium sulphite	Na ₂ SO ₃ . 7H ₂ O	crystallised	23-24	% SO ₂
Anhydrous sodium sulphite	Na ₂ SO ₃	crystallised	48	% SO ₂
Miscellaneous				
Aluminium chloride	AlCl ₃ . 6H ₂ O	crystallised	20	% Al ₂ O ₃
Sea salt	NaCl	crystallised	97	% NaCl

