



### Chemical Compatibility Chart

CHEMICAL	TEMP F	304SS 321SS	316L	Carbon Steel	Bronze	Monel
Sodium Chloride, 5% Still	70-150°	1**	1	3	2	1
20% Aerated	70°	1**	1	3	2	1
Saturated	70°	1**	1	3	2	1
Saturated	Boiling	2**	1	3	2	1
Sodium Cyanide	70°	1	1	2	3	-
Sodium Fluoride, 5% Solution	70°	2**	1**	3	1	1
Sodium Hydroxide	70°	1	1	2	2	1
Sodium Hypochlorite, 5% Still		2**	1**	3	2	3
Sodium Hyposulphite	70°	1**	1	3	-	1
Sodium Nitrate	Fused	1	1	2	1	2
Sodium, Perchlorate, 10%	70-150°	1	1	-	-	-
	Boiling	1	1	-	-	-
Sodium Phosphate	70°	1	1	2	2	2
Sodium Sulphate, 5% Still	70°	1	1	3	1	1
All Concentrations	70°	1	1	3	1	1
Sodium Sulphide, Saturated		2**	1	3	3	2
Sodium Sulphite, 5%	70°	1	1	3	2	2
10%	150°	1	1	3	2	2
Sodium Thiosulphate						
Saturated Solution	70°	1	1**	3	3	1
Acid Fixing Bath (Hypo)	70°	1	1	3	3	2
25% Solution	70°	1	1**	3	3	2
25% Solution	Boiling	1	1**	3	3	2
Stannic Chloride Solution						
Sp. G. 1.21	70°	3	3	3	3	3
	Boiling	3	3	3	3	3
Stannous Chloride, Saturated		3	1	3	-	3
Steam		1	1	3	1	1
Stearic Acid	70°	1	1	3	2	2
Starch, Aqueous Solution		1	1	-	-	2
Strontium Hydroxide		1	1	-	-	-
Strontium Nitrate Solution	Hot	1	1	3	-	2
Sulphur, Moist	70°	2**	1**	3	3	2
Molten	266°	1	1	3	3	1
Molten	833°	3	3	3	3	3
Sulphur Chloride (Dry)		3	3	3	1	2
Sulphur Dioxide Gas (Moist)	70°	2	1	3	2	3
Gas (Dry)	575°	1	1	3	1	2
Sulphuric Acid						
5% - 10%	70°	3	2	3	2	3
5% - 10%	Boiling	3	3	3	3	3
50%	70°	3	3	3	3	3
50%	Boiling	3	3	3	3	3
Concentrated	70°	1	1	3	2	3
Concentrated	Boiling	3	3	3	2	3
Concentrated	300°	3	3	3	2	3
Fuming	70°	3	2	3	2	3
Sulphurous Acid, Saturated	70°	3	2	3	2	3
Saturated - 60 lb. Pressure	250°	3	2	3	2	3
Saturated - 70-125 lb. Pressure	310°	3	2	3	2	3
150 lbs. Pressure	375°	3	2	3	2	3
Sulphurous Spray	70°	3	3	3	3	3
Tannic Acid	70°	1	1	3	1	3
	150°	1	1	-	1	3
Tanning Liquor	70°	1	1	-	-	1
Tar		1	1	2	1	2