

CORROSION RESISTANCE DATA

CONTINUED

Product and condition	Temp.	304 304ELC	321 347	316 316L	Nickel	Monel	Inconel
	(°F.)						
1% and 5%	Hot	A		A	A	A	A
Potassium Sulphide							
(salt)	(salt)	A		A	A	A	A
Pyrogalllic Acid		A		A	A	A	A
Quinine Bisulphate - dry		B		A	A	A	A
Quinine Sulphate - dry		A		A	A	A	A
Rosin	Molten	A		A	A	A	A
Sea Water		A		A	A	A	A
Sewage		A		A	A	A	A
Silver Bromide		B		A	-	-	-
Silver Chloride		E		E	-	-	-
Silver Nitrate		E		E	-	-	-
Soap	70°	A		A	A	A	A
Sodium Acetate - moist		A		A	A	A	A
Sodium Bicarbonate							
All concentrations ...	70°	A		A	A	A	A
5%, still	150°	A		A	A	A	A
Sodium Carbonate							
Sodium Chloride							
5%, still	70°	A		A	A	A	A
5%, still	150°	A		A	A	A	A
20%, aerated	70°	A		A	A	A	A
Saturated	70°	A		A	A	A	A
Saturated	Boiling	B		A	A	A	A
Sodium Fluoride -							
5% solution		B		A	A	A	A
Sodium Hydroxide		A		A	A	A	A
Sodium Hypochlorite -							
5%, still		B		A	C	C	C
Sodium Hyposulphite	70°	A		A	A	A	A
Sodium Nitrate Fused	Fused	C		B	A	B	A
Sodium Sulphate -							
5%, still	70°	A		A	A	A	A
Sodium Sulphate							
All concentrations	70°	A		A	A	A	A
Sodium Sulphide -							
saturated		B		A	A	A	A
Sodium Sulphite							
5%	70°	A		A	A	A	A
10%	150°	A		A	A	A	A
Stannic Chloride -							
SP. G. 1.21	Boiling	E		E	B	B	C
Stannic Chloride -							
Stannous Chloride -							
Stearic Acid		A		A	A	A	A
Sulphur Chloride		E		D	A	A	A
Sulphur Dioxide Gas -							
Moist	70°	B		A	D	C	C

Product and condition	Temp.	304 304ELC	321 347	316 316L	Nickel	Monel	Inconel
	(°F.)						
	575°	A		A	-	-	-
Sulphur							
Dry	Molten	A		A	A	A	A
Wet		B		A	B	B	A
Sulphuric Acid							
5%	70°	C		B	A	A	A
5%	Boiling	E		C	D	A	C
10%	70°	C		B	B	A	B
10%	Boiling	E		D	C	A	C
50%	70°	D		C	B	A	B
50%	Boiling	E		D	E	E	E
Concentrated	70°	A		A	B	B	B
Concentrated	Boiling	D		D	E	E	E
Concentrated	300°	E		E	E	E	E
Fuming	70°	C		B	C	B	B
Sulphurous Acid							
Saturated	70°	C		B	E	E	E
Saturated 60 lb. pressure 250°	250°	C		B	E	E	E
Saturated 70-125 lb. pressure 310°	310°	C		B	E	E	E
150 lb. pressure	375°	C		B	E	E	E
Sulphurous spray ...	70°	D		D	E	E	E
Tannic Acid	70°	A		A	A	A	A
	150°	A		A	A	A	A
Tartaric Acid	70°	A		A	A	A	A
	150°	B		A	A	A	A
Tin	Molten	C		C	E	E	E
Trichloroacetic Acid	70°	E		E	B	B	B
Varnish	70°	A		A	A	A	A
	Hot	A		A	A	A	A
Vinegar Fumes		B		A	B	A	A
Vinegar							
Still	70°	A		A	A	A	A
Agitated		A		A	A	A	A
Aerated	70°	A		A	B	A	A
Zinc	Molten	E		E	E	E	E
Zinc Chloride							
5%, still	70°	A		A	A	A	A
5%, still	Boiling	B		B	B	B	B
Zinc Sulphate							
5%	70°	A		A	A	A	A
Saturated	70°	A		A	A	A	A
25%	Boiling	A		A	A	A	A