



ALL STAINLESS LIMITED

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INFORMATION SHEET

CORROSION DATA GUIDE

CORROSION DATA GUIDE

The following data results are based on laboratory tests. The corrosive medium in each case was chosen to represent those most commonly used in industry. The grades used in this guide were also chosen to reflect the most common usage throughout industry.

Since the results presented are based mostly on laboratory tests, actual commercial results may vary slightly due to the influence from impurities, pressure, aeration, change in concentration etc.

The ratings given are as follows:

- A - Fully resistant
- B - Fairly resistant
- C - Not Resistant

An M rating has been given in some circumstances which indicates we recommend you submit full details of service before a suitable stainless material is suggested.

Substance	Condition			Stainless Grade			
	Strength	°F	°C	316	304	430	410
Acetaldehyde	100%	142	61	A	A	-	-
Acetic Acid	5-10%	70	20	A	A	A	B
"	5-10%	Boiling		A	A	C	-
"	20%	70	20	A	A	A	C
"	20%	Boiling		A	A	-	-
"	33 1/3%	70	20	A	A	A	C
"	33 1/3%	Boiling		A	B	C	-
"	50%	70	20	A	A	A	C
"	50%	Boiling		A	B	-	-
"	80%	70	20	A	A	A	-
"	80%	180	85	A	A	C	-
"	80%	Boiling		B	B	C	-
"	100%	70	20	A	A	A	C
"	100%	180	85	A	A	C	-
"	100%	Boiling		C	C	C	-
"	100% 150# pressure	200	95	C	C	-	-
"	100% 150# pressure	400	205	C	C	-	-
Acetic Anhydride	90%	70	20	A	A	B	-
"	90%	Boiling		A	B	C	-
"	90% Aerated	180	85	B	C	-	-
"	60"	180	85	A	A	-	-
Acetic Vapours	30%	70	20	A	B	-	-
"	30%	Hot		B	B	-	-
"	100%	70	20	A	B	-	-
"	100%	Hot		B	C	-	-
Acetone		70	20	A	A	B	B
"		Boiling		A	A	-	-

Substance	Condition			Stainless Grade			
	Strength	°F	°C	316	304	430	410
Acetophenone	66%	302	150	A	A	-	-
Acetyl Chloride		70	20	B	B	-	-
"		Boiling		B	B	-	-
Acetylene		70	20	A	A	A	B
Acrylic Acid	96%	77	25	A	A	-	-
Activine	Aqueous solution	70	20	A	A	-	-
Alcohol Ethyl		70	20	A	A	A	B
"		Boiling		A	A	A	-
Alcohol Methyl		70	20	A	A	A	A
"		150	65	B	B	B	-
Alkaform Anesthesia		70	20	A	A	C	C
Alkaline Liquor	20%	Boiling		A	A	-	-
Aluminium	Molten	1380	750	C	C	C	C
Aluminium Acetate	Saturated	70	20	A	A	-	-
"	Saturated	Boiling		A	A	-	-
Aluminium Chloride	5%	70	20	C	C	C	C
"	10-25%	70	20	C	C	C	-
"	Saturated	70	20	C	C	C	C
Aluminium Fluoride	5%	70	20	B	C	C	C
"	Saturated	70	20	B	C	C	C
Aluminium Hydroxide	Saturated	70	20	A	A	A	-
Aluminium Potassium Sulphate (Alum)	2%	70	20	A	A	A	B
"	10%	70	20	A	A	B	-
"	10%	Boiling		A	A	B	-
"	Saturated	70	20	A	B	C	-
"	Saturated	Boiling		B	B	C	-
Aluminium Sulphate	5%	150	65	A	A	-	-
"	10%	70	20	A	A	C	C
"	10%	Boiling		A	B	C	-
"	Saturated	70	20	A	A	C	C
"	Saturated	Boiling		B	B	C	-
Aluminium Sulphate (+1% H_2SO_4)	Saturated	70	20	A	B	-	C
Aluminium Sulphate (+1% Na_2CO_3)	Saturated	70	20	A	A	-	B
Ammonia (Anhydrous)		70	20	A	A	A	-
Ammonia Gas		Cold		A	A	A	-
"		Hot		C	C	C	-
Ammonia Liquor	All Strengths	70	20	A	A	-	-
"	All Strengths	Boiling		A	A	-	-
Ammonium Alum	Saturated	70	20	A	A	A	-
" (Slightly Amomoniactal)	Saturated	200	95	A	A	-	-
Ammonium Bicarbonate	Saturated	70	20	A	A	-	-
"	Saturated	Hot		A	A	-	-
Ammonium Bromide	5%	70	20	B	C	-	-
"	Saturated	70	20	A	B	-	-
Ammonium Carbonate	1 and 5%	70	20	A	A	A	B
"	Saturated	70	20	A	A	A	B

Substance	Condition	Stainless Grade					
		Strength	°F	°C	316	304	430
Ammonium Chloride	1%	70	20	A	B	-	-
"	5%	70	20	A	B	-	-
"	10%	Boiling		A	B	-	-
"	20%	Boiling		A	B	-	-
"	28%	Boiling		A	C	-	-
"	50%	Boiling		A	C	-	-
"	Saturated	70	20	A	B	-	-
Ammonium Hydroxide	All Strengths	70	20	A	A	A	B
Ammonium Monophosphate	Saturated	70	20	A	A	A	B
Ammonium Nitrate	Saturated	Boiling		A	A	A	B
Ammonium Nitrate (Dissolved in Conc. H ₂ SO ₄)		140	60	A	A	-	-
"		250	120	A	A	-	-
Ammonium Oxalate	5%	70	20	A	A	A	B
"	Saturated	70	20	A	A	-	B
Ammonium Perchlorate	10%	Boiling		A	A	-	-
Ammonium Phosphate	5%	70	20	A	A	A	B
"	Saturated	70	20	A	A	A	-
Ammonium Potassium Sulphate (Slightly Ammoniacal)	Saturated	200	95	A	A	-	C
Ammonium Sulphate (Agitated)	1 and 5%	70	20	A	A	A	B
Ammonium Sulphate (Aerated)	1 and 5%	70	20	A	A	A	B
Ammonium Sulphate	10%	70	20	A	A	-	-
"	10%	Boiling		A	B	-	-
"	Saturated	70	20	A	A	-	-
"	Saturated	Boiling		A	B	-	-
Ammonium Sulphate (+.5%H ₂ SO ₄)	Saturated	70	20	A	B	-	C
Ammonium Sulphate (+5%H ₂ SO ₄)	Saturated	70	20	-	C	-	C
Ammonium Sulphite	Saturated	70	20	A	A	-	-
"	Saturated	Boiling		A	A	-	-
Amyl Acetate	Concentrated	70	20	A	A	A	A
Amyl Chloride				A	A	B	B
Amyl Phenol		390	200	A	A	-	-
Aniline	3%	70	20	A	A	A	B
Aniline Crude	Concentrated	70	20	A	A	A	-
Aniline Hydrochloride	5%	70	20	C	C	C	C
Antibiotics		70	20	A	A	-	-
Antimony	Molten	1110	600	C	C	-	-
Antimony Trichloride	Saturated	70	20	C	C	C	-
Arsenic Acid		150	65	A	A	-	-
"		225	110	-	B	-	-
Arsenious Acid		70	20	A	A	A	B
B							
Baking Oven Gases				A	A	A	B
Baking Soda	Solution	70	20	A	A	-	-
Barium Carbonate	Solution	70	20	A	A	A	B
Barium Chloride	5%	70	20	A	B	-	-
"	Saturated	70	20	A	A	-	-
"	Saturated	Hot		A	B	-	-

Substance	Condition	Stainless Grade					
	Strength	°F	°C	316	304	430	410
Barium Hydrate	Saturated	70	20	A	A	A	A
Barium Nitrate	Saturated	Hot		A	A	-	-
Barium Sulphate	Saturated	70	20	A	A	A	-
Beer (Barley, Malt and Hops)		70	20	A	A	-	-
Beet Juice		70	20	A	A	-	-
Benzene (from coal tar or crude oil)		70	20	A	A	-	-
"	Boiling			A	A	-	-
Benzoic Acid		70	20	A	A	A	B
Benzol		70	20	A	A	A	B
"		Hot		A	A	A	B
Bleaching Powder (Dry)				A	C	C	C
Bleaching Solution (containing Chlorine)		70	20	A	B	-	-
Blood – Meat Juices		70	20	A	A	-	-
Blue Vitriol	Saturated	Boiling		A	A	-	-
Boric Acid (Boric Acid)	5%	70	20	A	A	A	B
"	5%	Hot		A	A	A	B
"	70%	Hot		C	C	C	C
Borax	5%	Hot		A	A	A	B
Bordeaux Mixture				A	A	-	-
Bromine Gas		70	20	C	C	C	C
Bromine Water		70	20	C	C	C	C
Butane		70	20	A	A	-	-
Buttermilk		70	20	A	A	A	B
Butyl Acetate				A	A	A	B
Butyric Acid	5%	70	20	A	A	A	B
"	5%	150	65	A	A	A	B
"	Saturated	70	20	A	A	A	-
"	Saturated	Boiling		A	B	-	-
C							
Cadmium	Molten	610	320	C	C	-	-
Calcium Bisulphite	Aqueous Solution	Boiling		A	A	-	-
"	Aqueous Solution (300Lb Pressure)	390	200	B	C	-	-
Calcium Brine (+NaCl)		70	20	A	A	A	B
Calcium Carbonate		70	20	A	A	-	-
Calcium Chlorate	Dilute Solution	70	20	A	A	-	-
"	Dilute Solution	Hot		A	A	-	-
"	Saturated	70	20	A	B	-	-
Calcium Chloride	5%	70	20	A	B	-	-
"	Saturated	70	20	A	B	-	-
"	All concentrations	Boiling		A	C	-	-

Substance	Condition	Stainless Grade					
	Strength	°F	°C	316	304	430	410
Calcium Hydroxide	5%	70	20	A	A	A	B
"	10%	Boiling		A	A	-	-
"	20%	70	20	A	A	-	-
"	20%	Boiling		A	A	-	-
"	50%	70	20	A	B	-	-
"	50%	Boiling		B	C	-	-
"	Saturated	70	20	A	A	A	B
Calcium Hypochlorite	2%	70	20	A	B	B	C
"	Saturated	70	20	A	C	C	C
Calcium Hypochlorite with 10/11 PH (Beach Solution)	Saturated	70/80	20/30	M	C	C	C
Calcium Sulphate	Saturated	70	20	A	A	A	-
Camphor		70	20	A	A	A	B
Carbolic Acid	C.P.	70	20	A	A	B	B
"	C.P.	Boiling		A	A	B	B
"	Crude	Boiling		A	A	B	-
"	5%	Boiling		A	A	-	-
Carbonated Water				A	A	A	B
Carbonate of Soda	5%	Boiling		A	A	-	-
"	50%	Boiling		A	A	-	-
"	Molten	1650	900	C	C	-	-
Carbon Bisulphide		70	20	A	A	A	B
Carbon Black		70	20	A	A	-	-
Carbon Monoxide Gas		1400	760	A	A	A	B
"		1600	870	A	A	A	-
Carbon Tetrachloride	5-10%	70	20	B	B	B	C
"	Pure	70	20	A	A	B	C
"	Pure	Boiling		A	A	-	-
"	Vap. Refluxed	Boiling		C	C	-	-
Carnallite	Saturated	Boiling		B	B	-	-
Casein		70	20	A	A	-	-
Caustic Potash	30%	Boiling		A	A	-	-
Caustic Soda	30%	Boiling		A	A	-	-
Cellulose				A	A	-	-
Charged Water				A	A	-	-
Chinosol (Antiseptic)	1:500	70	20	A	A	-	-
Chloracetic Acid		70	20	B	C	C	C
Chlorate of Lime	Solution	Hot		A	A	-	-
Chlorobenzol (Pure)	Concentrated	70	20	C	C	C	-
Chloric Acid		70	20	C	C	C	-
Chloride of Lime	Saturated	212	100	A	A	-	-
Chlorinated Water	Saturated	70	20	M	B	C	C

Substance	Condition	Stainless Grade					
	Strength	°F	°C	316	304	430	410
Chlorine Gas	Dry	70	20	B	B	C	C
"	Moist	70	20	B	C	C	C
"		212	100	C	C	C	C
Chlorobenzene		Boiling		A	A	-	-
Chloroform	Dry	70	20	A	A	A	B
Chlorosulfonic Acid	10%	70	20	M	B	C	C
"	Concentrated	70	20	A	A	C	C
Chromic Acid	5%	70	20	A	A	B	C
"	10%	70	20	A	A	B	C
"	10%	Boiling		B	B	C	C
"	50% c.p.	70	20	B	B	C	C
"	50%	Boiling		B	C	C	C
Chromic Acid (Cont. SO ₃)	50% (Comm.)	70	20	B	B	C	C
"	50% (Comm.)	Boiling		C	C	C	C
Chromic Acid	Saturated	70	20	C	C	C	C
Chromium Plating Bath		70	20	A	A	-	-
Cider		70	20	A	A	A	B
Citric Acid	5% (Still)	70	20	A	A	A	B
"	5% (Still)	150	65	A	A	A	B
"	5%	Boiling		A	A	A	-
"	5% (45Lb Pressure)	285	140	A	B	-	-
"	10%	70	20	A	A	-	-
"	10%	Boiling		A	A	-	-
"	15%	70	20	A	A	A	B
"	15%	Boiling		A	A	B	B
"	25%	70	20	A	A	-	B
"	25%	Boiling		A	B	-	-
"	50%	70	20	A	A	B	B
"	50%	Boiling		A	B	-	-
"	Concentrated	70	20	A	A	-	-
"	Concentrated	Boiling		A	B	-	-
Citrus Juices	All concentrations	Hot		A	A	-	-
Cobalt Acetate		70	20	A	A	-	-
Coca-Cola Syrup	Pure	70	20	A	A	-	-
Coffee		Boiling		A	A	A	B
Copal Varnish		70	20	A	A	A	B
Copperas	Dilute	Hot		A	A	-	-
Copper Acetate	Saturated	70	20	A	A	A	-
Copper Carbonate	Saturated	70	20	A	A	A	B
Copper Carbonate (+50%NH ₄ OH)	Saturated	70	20	A	A	A	-
Copper Chloride	1%	70	20	C	C	C	C
Copper Chloride (Agitated)	1%	70	20	A	B	B	B
Copper Chloride (Aerated)	1%	70	20	A	B	B	B
Copper Chloride (Agitated)	5%	70	20	B	B	B	B
Copper Chloride (Aerated)	5%	70	20	C	C	C	C

Substance	Condition	Stainless Grade					
	Strength	°F	°C	316	304	430	410
Copper Chloride	10%	Boiling		C	C	C	C
"	Saturated	70	20	C	C	C	C
Copper Cyanide	Saturated	70	20	A	A	A	B
"	Saturated	Boiling		A	A	A	B
Copper Nitrate	1 and 5%	70	20	A	A	A	B
"	50%	Hot		A	A	-	-
"	Saturated	70	20	A	A	A	B
Copper Sulphate	5% (Still)	70	20	A	A	A	B
"	5% (Aerated)			A	A	A	B
"	10%	70	20	A	A	A	B
"	Saturated	70	20	A	A	A	B
Copper Sulphate (+2% H ₂ SO ₄)	Saturated	70	20	A	A	B	B
Creosote (Coal Tar)		Hot		A	A	-	-
Creosote (Oil)		Hot		A	A	-	-
Creosote (+3% Salt)				C	C	C	C
Cresylic Acid		Up to Boiling		A	A	A	-
Cyanogen Gas		70	20	A	A	-	-
D							
Detergents				A	A	A	A
Developing Solutions		70	20	A	B	-	-
Dichloro-Ethane		Boiling		A	A	A	-
Digestor Acid (Pulp and Paper Ind.)		70	20	M	M	C	-
Dinitrochlorbenzol (melted and solidified)		70	20	A	A	A	-
Distillery Wort		70	20	A	A	-	-
Dutch Liquor		70	20	A	A	-	-
Dyes		70	20	A	B	-	-
Dyewood Liquor		70	20	A	A	-	-
E							
Epsom Salt Solution		Hot or Cold		A	A	A	-
Ether		70	20	A	A	A	B
Ethyl Acetate	All Concentrations	70	20	A	A	A	-
Ethyl Chloride		70	20	A	A	A	B
Ethylene Chloride		70	20	A	A	-	-
Ethylene Glycol	Concentrated	70	20	A	A	A	B
F							
Fatty Acid	All	350	175	A	B	-	-
Fatty Acid (Olein)		350	175	A	A	-	-
Ferric Chloride	1%	70	20	B	C	-	-
"	1%	Boiling		B	C	C	-
"	5%	70	20	B	C	C	C
Ferric Chloride (Agitated)	5%	70	20	B	C	C	C
Ferric Chloride (Aerated)	5%	70	20	B	C	C	C
Ferric Chloride	10%	70	20	B	C	C	C
Ferric Hydroxide (Hydrated Iron oxide)		70	20	A	A	A	B

Substance	Condition	Stainless Grade					
	Strength	°F	°C	316	304	430	410
Ferric Nitrate	1 and 5%	70	20	A	A	A	B
"	Saturated	70	20	A	A	A	B
Ferric Sulphate	1 and 5%	70	20	A	A	A	B
"	1%	Boiling		A	A	A	B
"	Saturated	70	20	A	A	A	-
"	5%	Boiling		A	A	-	-
Ferrous Sulphate	10%	70	20	A	A	A	B
"	5%	70	20	A	A	A	B
"	10%	Boiling		A	A	-	-
"	Saturated	70	20	A	A	A	B
Fertilizers		70	20	A	B	-	-
Fluorine Gas		70	20	C	C	C	C
Fluosilicic Acid	90%	70	20	B	C	-	-
Food Pastes		70	20	A	A	A	B
Formalin (40% Solution Formaldehyde)	40%	70	20	A	A	A	B
Formaldehyde (Formalin Methanol)		70	20	A	A	A	B
"		Boiling		A	A	A	B
Formic Acid	1%	70	20	A	A	A	-
"	1%	100	40	A	A	C	-
"	1%	Boiling		A	A	C	-
"	5%	70	20	A	A	-	-
"	5%	150	65	A	B	-	-
"	10%	70	20	A	A	-	-
"	10%	100	40	A	A	-	-
"	10%	180	85	A	C	-	-
"	10%	Boiling		C	C	-	-
"	50%	70	20	A	B	-	-
"	50%	100	40	A	C	-	-
"	50%	180	85	A	C	-	-
"	50%	Boiling		C	C	-	-
"	Saturated	70	20	A	C	-	C
Fruit Juices		70	20	A	A	A	B
"		Hot		A	A	A	B
Fuel Oil		70	20	A	A	A	B
"		Hot		A	A	-	-
Fuel Oil (Containing Sulphuric acid)		70	20	A	B	-	-
G							
Gallic Acid	5%	70	20	A	A	A	B
"	5%	150	65	A	A	A	B
"	Saturated	70	20	A	A	A	-
"	Saturated	Boiling		A	A	B	-
Gasoline		70	20	A	A	A	B
Gelatine				A	A	A	B
Glauber's Salt		70	20	A	A	-	-
Glue (Dry)		70	20	A	A	A	-

Substance	Condition	Stainless Grade					
	Strength	°F	°C	316	304	430	410
Glue		Hot		A	A	-	-
Glue solution (Acid)		70	20	A	B	-	-
"		140	60	A	B	-	-
Glycerine		70	20	A	A	A	B
Gold Cyanide Electroplating Solution		70	20	A	A	-	-
Gun Cotton Brine (Waste Acids)		70	20	A	A	-	-
H							
Hops		70	20	A	A	-	-
Hydrobromic Acid	Saturated	70	20	C	C	C	C
Hydrochloric Acid	1% and Less	70	20	B	C	C	C
"	1% and Less	140	60	C	C	C	C
"	1% and Less	Boiling		C	C	C	C
"	10%	70	20	C	C	C	C
"	10%	Boiling		C	C	C	C
"	Higher Concentrations	All Temperatures		C	C	C	C
Hydrochloric acid Vapors		70	20	B	C	C	C
"		212	100	C	C	C	C
"		930	498	C	C	C	C
Hydrocyanic Acid (Prussic)		70	20	A	A	C	C
Hydrofluoric Acid	All Concentrations	70	20	C	C	C	C
Hydrofluoric Acid Vapours		212	100	C	C	C	C
Hydrogen Peroxide (Acid free)		70	20	A	A	B	B
Hydrogen Peroxide		Boiling		A	B	B	-
Hydrogen Sulphide	Dry	70	20	A	A	A	-
"	Wet	70	20	A	B	B	-
"		too 400	to 205	A	B	-	-
Hyposulphate of Soda	Dilute	Hot		A	A	-	-
Hyposulphate Soda (Hypo.)		70	20	A	A	B	-
I							
Ink		70	20	A	A	B	B
Iodine	Dry	70	20	A	C	C	C
"	Moist	70	20	B	C	C	C
Iodoform		70	20	A	B	-	-
Iron Gall Ink		70	20	A	A	-	-
J							
Jam (Marmalade Etc.)		70	20	A	A	A	-
K							
Kerosene		70	20	A	A	A	-
Ketchup		70	20	A	A	A	-

Substance	Condition	Stainless Grade					
	Strength	°F	°C	316	304	430	410
L							
Lactic Acid	5%	70	20	A	A	B	C
"	5%	150	65	A	B	B	C
"	5%	180	85	A	B	C	-
"	5%	Boiling		A	B	C	-
"	10%	150	65	B	C	-	-
"	10%	Boiling		B	C	-	-
"	20%	70	20	A	-	-	-
"	20%	Boiling		B	-	-	-
"	50%	70	20	A	A	B	-
"	50%	100	40	A	B	C	-
"	50%	140	60	A	C	-	-
"	50%	Boiling		B	C	-	-
"	100%	70	20	A	A	B	-
"	100%	100	40	A	B	C	-
"	100%	180	85	B	C	-	-
Lactic Acid(+Salt)	100%	70	20	A	B	-	-
Lard		70	20	A	A	A	-
"		Hot		A	A	A	-
Lead	Molten	1110	600	B	B	B	C
Lead Acetate	Saturated	70	20	A	A	A	-
"	Saturated	Hot		A	A	A	B
Lemon Juice		70		A	A	A	-
Linseed Oil		70 and Hot		A	A	A	B
Linseed Oil (+3% H ₂ SO ₄)		390	200	A	A	-	-
Lysol		70	20	A	B	C	C
Lye	30%	Boiling		A	A	-	-
M							
Magnesium Carbonate	Saturated	70	20	A	B	A	A
Magnesium Chloride	1 and 5%	70	20	A	A	B	B
"	1 and 5%	Hot		B	B	-	-
"	Saturated	70	20	A	B	B	B
Magnesium Hydroxide	Thick	70	20	A	A	A	B
Magnesium Nitrate	Saturated	70	20	A	A	A	-
Magnesium Oxychloride		70	20	B	B	-	-
Magnesium Sulphate	5%	Hot		A	A	A	C
"	Saturated	70	20	A	A	A	C
"	Saturated	Hot		A	A	A	C
Malic Acid	5%	70	20	A	A	A	B
"	Saturated	70	20	A	A	B	C
Manganese Chloride	10%	Boiling		B	B	-	-
"	50%	Boiling		B	B	-	-
Manganese Sulphate		70	20	A	A	A	-
Mayonnaise		70	20	A	A	B	B
Marsh Gas		70	20	A	A	-	-

Substance	Condition	Stainless Grade					
	Strength	°F	°C	316	304	430	410
Mash		Hot		A	A	-	-
Meats		70	20	A	A	A	B
Mercuric Chloride	0.1%	70	20	A	A	-	-
"	0.1%	Boiling		A	A	-	-
"	0.7%	70	20	B	B	-	-
"	0.7%	Boiling		C	C	-	-
"	2.0%	70	20	B	C	-	-
Mercuric Cyanide				A	A	-	B
Mercurous Nitrate	Saturated	70	20	A	A	A	B
Mercury		70	20	A	A	A	B
Methanol (Methyl alcohol)		70	20	A	A	A	-
Methyl Aldehyde	40%	70	20	A	A	-	-
Methyl Chloride		70	20	A	A	A	B
Methylene Chloride		Boiling		A	A	-	-
Milk (Fresh or Sour)		70	20	A	A	A	B
"		Hot		A	A	A	B
Mine water (Acid)		70	20	A	A	A	B
Molasses		70	20	A	A	A	B
Molybdic Acid		70	20	A	A	-	-
Monoethanolamine		Up to 212	Up to 100	A	A	-	-
Muriatic Acid		70	20	C	C	C	C
Mustard		70	20	A	B	B	C
N							
Naphtha		70	20	A	A	A	B
Naphtha Crude		70	20	A	A	-	-
Naphthalene Sulphonic Acid		70	20	A	A	-	-
Nickel Chloride	Saturated	70	20	A	B	-	-
Nickel Nitrate	Saturated	70	20	A	A	A	B
"	All Concentrations	Boiling		A	A	-	-
Nickel Sulphate	Saturated	70	20	A	A	-	-
"	Saturated	Hot		A	A	-	-
Nickel Sulphate (Electroplating solution)		70	20	A	A	-	-
Niter Cake	Fused	70	20	A	B	B	-
Nitrating Acids		70	20	A	A	A	-

Substance	Condition	Stainless Grade					
	Strength	°F	°C	316	304	430	410

