CORROSION RESISTANCE TABLES

The following tables summarise of the most reliable laboratory data currently available on the corrosion resistance of the materials considered.
However, it will be useful to bear in mind that the results are laboratory tests and must be considered as a recommendation and not as an absolute guarantee when using these tables.

Key:

1	Excellent	Materials that do not undergo essential dimensional changes. The corrosion rate is less than a penetration of 0.13 mm per year.
2	Good	Materials that are attacked, but are generally prescribed where a certain degree of corrosion can be tolerated. Corrosion rate 0.1 26-0.5 mm per year.
3	Poor resistance	Materials that are not normally considered suitable for most uses in chemical plants. Corrosion rate 0.5-1.26 mm per year.
4	Not recommended	Materials with corrosion rates too high to be considered. Corrosion rate of more than 1.26 mm per year.
5	No information	
E		Boiling
C		Hot
Ta		Ambient temperature

		INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel			INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel
Acetaldehyde	Ta	1	1	3	Acetic acid 80%	E	4	2	4
Amyl acetate	Ta	2	2	3	Glacial acetic acid	+20°	1	1	4
Butyl acetate	+21°	1	1	5	Glacial acetic acid	E	4	2	4
Ethyl acetate	Ta	2	2	2	Acetic acid (vapour) 30%	C	3	2	4
Methyl acetate	Ta	1	1	2	Acetic acid 100%	C	4	3	4
Lead acetate	Ta	2	2	4	Arsenic acid	Ta	2	2	4
Copper acetate	Ta	1	1	4	Benzoic acid	+20°	2	2	2
Sodium acetate	Ta	2	2	3	Boric acid 5%	C	2	2	4
Acetylene	+20°	1	1	1	Butyric acid 5%	+65°	2	2	2
Vinegar	+20°	1	1	4	Butyric acid aq. solu.	E	2	2	4
Vinegar	C	2	2	4	Saturated carbolic acid	E	2	2	4
Vinegar (vapours)	Ta	2	2	4	Saturated carbonic acid	+20°	2	2	3
Acetone	E	1	1	2	Hydrogen cyanide	+20°	2	2	4
Acetic anhydride	E	2	2	3	Citric acid 5%	+20°	1	1	3
Fatty acids	E	2	2	3	Citric acid 5%	+65°	2	2	4
Acetic acid 5-10%	+20°	1	1	4	Citric acid 15%	E	2	2	4
Acetic acid 5-10%	E	2	2	4	Concentrated citric acid	E	4	2	4
Acetic acid 20%	+20°	1	1	4	Dry hydrochloric acid	+20°	3	2	3
Acetic acid 50%	+20°	1	1	4	Hydrochloric acid at any concentration and temperature		4	4	4
Acetic acid 80%	+20°	1	1	4					

		INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel			INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel
Chlorosulphonic acid 10%	+20°	3	2	4	Sulphuric 10% nitric 90% acid	+20°	2	2	4
Concentrated chlorosulphonic acid	+20°	2	2	4	Sulphuric 15% nitric 5% acid	+20°	2	2	4
Cresylic acid	+20°	1	1	2	Sulphuric 30% nitric 5% acid	+20°	2	2	4
Chromic acid 5%	+20°	2			Sulphuric 53% nitric 45% acid	+20°	2	2	2
Chromic acid 1% C.P.	E	3	2	4	Nicotinic acid	Ta	1	1	2
Phenic acid C.P.	E	2	2	3	Nitric acid 1%	+20°	1	1	4
Phenic acid	E	2	2	3	Nitric acid 1%	C	2	2	4
Fluosilicic acid 100%	+71°	5	1	5	Nitric acid 1%	+20°	1	1	4
Formic acid 5%	+20°	2	2	4	Nitric acid 5%	+20°	1	1	4
Formic acid 10-50%	+65°	2	2	4	Nitric acid 10%	E	2	3	4
Phosphoric acid C.P. 1%	+20°	2	2	4	Nitric acid 10%	+20°	1	1	4
Phosphoric acid 5%	+20°	2	2	4	Nitric acid 20%	+20°	1	1	4
Phosphoric acid 10%	+20°	3	2	4	Nitric acid 50%	E	2	3	4
Phosphoric acid 45%	+20°	4	2	4	Nitric acid 50%	E	2	2	4
Phosphoric acid 85%	+20°	4	2	4	Nitric acid 65%	+20°	2	2	2
Phatonic acid	Ta	2	2	3	Nitric acid 85%	C	2	3	4
Gallic acid 5%	+20°	2	2	4	Nitric acid 85%	+20°	2	2	2
Gallic acid 5%	+65°	2	2	4	Concentrated nitric acid	Ta	1	1	1
Hydrofluosilicic acid	Ta	3	3	4	Anhydrous nitric acid	+20°	2	2	4
Lactic acid 1%	E	2	2	4	Crude oleic acid	+20°	2	2	3
Lactic acid 5%	+20°	2	1	4	Oleic acid	+205°	3	2	4
Lactic acid 5%	+65°	2	2	4	Oxalic acid 10%	+20°	2	2	3
Lactic acid 5%	E	4	2	4	Saturated oxalic acid	+20°	2	2	3
Lactic acid 10%	+20°	2	1	4	Palmitic acid	+20°	2	2	3
Lactic acid 10%	+65°	3	2	4	Pyrogallic acid aq. solu.	+20°	2	2	3
Concentrated lactic acid	+20°	2	1	4	Pyrogallic acid	+20°	2	2	2
Linoleic acid	Ta	1	1	2	Pyrolegnose acid	+20°	1	1	4
Maleic acid	Ta	2	2	2	Propionic acid	+20°	2	2	4
Concentrated maleic acid	+20°	2	2	4	Prussic acid	+20°	2	2	3
Malic acid	C	2	2	4	Salicylic acid	+20°	2	2	4
Sulphuric 58% nitric 40% acid	+20°	2	2	2	Dry hydrogen sulphide	+20°	1	1	1
Sulphuric 1% nitric 99% acid	+20°	2	2	4	Wet hydrogen sulphide	+20°	3	2	3

		INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel			INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel
Sulphuric acid 1%	+20°	2	2	4	Aluminium sulphate	+20°	2	2	4
Sulphuric acid 5%	+20°	3	2	4	Aluminium sulphate	E	3	2	4
Concentrated sulphuric acid	+20°	2	2	2	Starch	Ta	2	2	3
Fuming sulphuric acid	+20°	3	2	3	Amyl acetate (conc.)	+20°	2	2	2
Fuming oleum sulphuric acid	+20°	3	2	2	Amines	+20°	1	1	1
Saturated sulphuric acid	+20°	4	2	4	Concentrated ammonia	+20°	1	1	2
Saturated sulphuric acid	+125°	4	2	4	Aqueous ammonia	Ta	1	1	1
Stearic acid	+20°	2	1	3	Ammonia gas	C	4	4	3
Tannic acid	+20°	2	2	4	Ammonia solution	Ta	1	1	2
Tannic acid	+65°	3	2	4	Ammonic salt	+20°	2	2	3
Tartaric acid 10%	+20°	1	1	4	Ammonium bisphosphate	+20°	1	1	3
Tartaric acid 10%	C	3	2	4	Ammonium carbonate	+20°	2	2	2
Concentrated uric acid	+20°	2	2	4	Ammonium chloride 10%	+20°	2	2	3
Distilled water	Ta	1	1	3	Ammonium chloride 10%	E	3	2	4
Seawater	+20°	2	2	4	Ammonium hydroxide	+20°	1	1	2
Fresh water	Ta	1	1	3	Ammonium hydroxide conc.	C	1	1	2
Mineral water	Ta	2	2	3	Ammonium monophosphate	+20°	1	1	4
Hydrogen peroxide	+20°	1	1	4	Ammonium nitrate	+20°	2	2	2
Hydrogen peroxide	E	2	2	4	Saturated ammonium nitrate	E	2	2	3
Black water	+20°	2	2	3	Ammonium persulphate 5%	+20°	2	2	4
Ethyl acrylate	Ta	1	1	3	Ammonium sulphate 5%	+20°	3	2	3
Acrylonitrile	Ta	1	1	1	Ammonium triphosphate	+20°	2	1	2
Concentrated amyl alcohol	+20°	1	1	4	Acetic anhydride	E	2	2	3
Butyl alcohol	Ta	1	1	2	Carbon dioxide	Ta	1	1	1
Alcohol diacetone	Ta	1	1	1	Flatic anhydride	Ta	2	2	3
Ethyl alcohol	+20°	2	2	2	Dry sulphur dioxide	Ta	1	1	2
Ethyl alcohol	E	2	2	2	Dry sulphur dioxide	+260°	2	2	2
Isopropyl alcohol	Ta	2	2	2	Aniline 3%	+20°	1	1	2
Methyl alcohol	+20°	2	2	2	Concentrated aniline	+20°	2	2	2
Methyl alcohol	E	3	2	2	Aniline (dyes)	Ta	1	1	3
Propyl alcohol	Ta	1	1	2	Silver bromide	+20°	3	2	4
Alum 10%	+20°	2	2	4	Nitrate silver	+20°	2	2	4
Alum 10%	E	2	2	4	Air	Ta	1	1	1
Saturated alum	E	3	2	4	Asphalt emulsion	Ta	1	1	2
					Liquid asphalt	Ta	1	1	2
					Nitrogen N	Ta	1	1	1

		INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel			INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel
Chrome plating bath	+21°	1	1	5	Calcium carbonate	+20°	2	2	2
Barium chloride 5%	+20°	2	2	3	Diluted calcium chloride	+20°	3	2	3
Saturated barium chloride	+20°	3	2	3	Calcium hydroxide 5%	+20°	2	2	2
Barium sulphate	+20°	2	2	2	Calcium hydroxide 10%	E	2	2	4
Saturated barium sulphate	+20°	3	2	2	Calcium hydroxide 20%	E	2	2	4
Benzaldehyde	Ta	1	1	1	Calcium hydroxide 50%	E	4	2	4
Petrol (with traces of Pb)	Ta	1	1	1	Ammonium carbonate	Ta	2	2	2
Petrol (Pb-free)	Ta	1	1	1	Barium carbonate	Ta	2	2	2
Petrol (for aviation)	Ta	1	1	1	Calcium carbonate	+20°	2	2	2
Petrol (per engine)	Ta	1	1	1	Potassium carbonate 1%	+20°	2	2	2
Petrol (acid)	Ta	1	1	2	Sodium carbonate	+20°	2	2	2
Petrol (crude)	+20°	1	1	3	Carbonate disulphide	+20°	2	2	2
Benzol or benzene	C	2	2	2	Carbonate oxide	+205°	1	1	1
Ammonium bicarbonate	Ta	2	2	3	Carbon oxide	+815°	2	1	4
Sodium bicarbonate	+20°	2	2	3	Carbon tetrachloride C.P.	+20°	2	2	2
Potassium bicarbonate	+20°	2	2	3	Carbon tetrachloride C.P.	E	3	2	3
Potassium bisphosphate	Ta	1	1	1	Tar	Ta	1	1	1
Potassium dichromate	+20°	2	2	3	Waxes	Ta	1	1	1
Beer	Ta	1	1	3	Paraffin	Ta	1	1	2
Magnesium bisulphate	Ta	1	1	2	Ketones	Ta	1	1	1
Sodium bisulphate	Ta	2	2	4	Dry quinine bisulphate	+20°	2	2	4
Calcium bisulphite	+20°	3	2	4	Dry quinine sulphate	+20°	2	2	4
Potassium bisulphite	Ta	2	2	4	Mercury cyanide	+20°	2	2	4
Sodium bisulphite	Ta	1	1	4	Sodium cyanide	+20°	2	2	2
Borax 5%	+20°	1	1	2	Potassium cyanide	+20°	2	2	2
Sodium borate	Ta	2	2	3	Copper cyanide 10%	+80°	1	1	5
Potassium bromide	+20°	3	2	4	Copper cyanide 100%	+100°	2	2	5
Sodium bromide	Ta	2	2	3	Cyclohexane	Ta	1	1	1
Butadiene	Ta	1	1	2	Potassium chlorate	+20°	2	2	2
Butane	Ta	2	2	2	Sodium chlorate 10%	+20°	2	2	3
Butylene	Ta	1	1	1	Dry gas chlorate	+20°	4	3	2
Butyl acetate	+20°	2	2	1	Chlorobenzol Concentrated chlorobenzene	+20°	1	1	1
Coffee	Boiling	1	1	1	Chloroform	+20°	1	1	1
Calcium bisulphite	+20°	3	2	4	Amyl chloride 100%	+165°	1	1	5

		INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel			INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel
Ammonium chloride 10%	+20°	2	2	3	Drilling sludge	Ta	1	1	2
Barium chloride 5%	+20°	2	2	3	Phenol C.P.	E	2	2	3
Calcium chloride	+20°	3	2	3	Potassium ferricyanide	Ta	2	2	3
Dry ethyl chloride	+20°	1	1	1	Ferric hydrate	+20°	1	1	5
Ethylene chloride 100%	+21°	1	1	5	Ferric nitrate 5%	+20°	2	2	4
Magnesium chloride 5%	+20°	2	2	4	Ferric sulphate 5%	+20°	2	1	4
Methyl chloride	+20°	2	2	4	Ferric sulphate 5%	E	2	2	4
Methylene chloride	Ta	1	1	2	Nickel chloride	Ta	2	2	3
Nickel chloride	+20°	3	2	4	Ferrous sulphate 10%	+20°	2	2	3
Potassium chloride 1-5%	+20°	3	2	4	Saturated ferrous sulphate	+20°	2	2	4
Copper chloride 1%	+20°	3	2	4	Fluorine F. dry	+20°	2	2	4
Sodium chloride 5%	+20°	2	2	3	Sodium fluoride	Ta	2	2	4
Zinc chloride 5%	+20°	3	2	4	Cold formaldehyde	Ta	1	1	1
Glue	Ta	2	2	1	Hot formaldehyde	Ta	3	3	3
Wood extract dye	+21°	1	1	5	Methyl formate	Ta	2	2	3
Liquefied rosin	Ta	1	1	4	Ammonium phosphate (dibasic)	Ta	2	2	4
Pure coca cola syrup	+21°	1	1	5	Ammonium phosphate (tribasic)	Ta	2	2	4
Creosote	C	2	2	2	Sodium phosphate (dibasic)	Ta	2	2	3
Dichloroethane	E	2	2	4	Sodium phosphate (tribasic)	Ta	2	2	3
Diethylamine	Ta	1	1	1	Freon (dry)	Ta	1	1	1
Dowtherm A.	C	1	1	1	Freon (wet)	Ta	3	3	3
Wax emulsions	Ta	1	1	1	Fuel oil	Ta	1	1	2
Rubber latex emulsions	Ta	1	1	2	Furfural	+20°	2	2	2
Heptane	Ta	1	1	2	Coke oven gas	Ta	1	1	2
Hexane	Ta	2	2	2	Illuminant gas	Ta	1	1	1
Tertiary hexanol	Ta	1	1	1	Liquid gas (LPG)	Ta	2	2	2
Ethane	Ta	2	2	2	Natural gas	Ta	1	1	2
Acetic ether conc.	+20°	1	1	2	Nitrous gases	Ta	1	1	2
Ethyl ether	+20°	1	1	1	Synthesis gas	Ta	2	2	2
Isopropyl ether	Ta	1	1	1	Jelly	Ta	1	1	4
Ethyl chloride dry	+20°	1	1	1	Gypsum (saturated)	+20°	2	2	2
					Glycerine	+20°	1	1	1

		INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel			INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel
Ethylene glycol	+20°	1	1	1	Lacquers (and solvents)	Ta	1	1	3
Propylene glycol	Ta	2	2	2	Milk	+20°	1	1	4
Glycols	Ta	2	2	2	Latex	+20°	1	1	4
Glucose	Ta	2	2	2	Lye (caustic)	+20°	2	2	4
Lacquer gum	Ta	1	1	1	Lye (caustic)	E	2	2	4
Ammonium hydrate	Ta	1	1	2	Lithium	+150°	1	1	2
Calcium hydrate	Ta	1	1	1	Magnesium carbonate solution	+20°	2	2	5
Sodium hydrate	+20°	1	1	1	Magnesium chloride 5%	+20°	2	2	4
Hydrocarbons (aliphatic)	+20°	1	1	1	Magnesium chloride 10-30%	+20°	3	2	4
Hydrocarbons (aromatic)	Ta	1	1	1	Saturated magnesium chloride	+20°	3	2	4
Hydrogen cold gas	Ta	1	1	2	Magnesium oxide	+20°	2	2	2
Zinc hydrosulphite	Ta		1	2	Magnesium sulphate	+20°	2	2	2
Ammonium hydroxide 28%	Ta	1	1	1	Magnesium sulphate	C	2	2	3
Ammonium hydroxide (concentrated)	C	1	1	2	Mercury cyanide	+20°	2	2	4
Barium hydroxide	Ta	2	2	3	Sodium metaphosphate	Ta	1	1	2
Calcium hydroxide 5%	+20°	2	2	2	Methane	Ta	2	2	2
Magnesium hydroxide	Ta	1	1	2	Sodium methasilicate	Cold	1	1	3
Magnesium hydroxide	C	1	1	2	Sodium methasilicate	C	1	1	4
Diluted K-hydroxide	Cold	1	1	1	Methylacetone	Ta	1	1	2
Diluted K-hydroxide	C	1	1	2	Methylamine	Ta	1	1	2
K-hydroxide diluted 70%	Cold		1	1	Methyl chloride gas	+20°	2	2	4
K-hydroxide diluted 70%	C	1	1	1	Oil-water mixture	Ta	1	1	2
Sodium hydroxide 20%	Cold	1	1	1	Ammonium monophosphate	+20°	1	1	4
Sodium hydroxide 20%	C	1	1	2	Must	Ta	2	2	4
Sodium hydroxide 50%	Cold	1	1	3	Naphtha	+20°	2	2	2
Sodium hydroxide 50%	C	2	2	3	Naphthalene	Ta	2	2	1
Sodium hydroxide 70%	Cold	2	2	3	Neon	+20°	2	2	2
Sodium hydroxide 70%	C	3	3	4	Nickel chloride	+20°	3	2	4
Ink	Ta	1	1	4	Nickel sulphate	C	3	2	4
Iodoform	+20°	1	1	4	Ammonium nitrate	+20°	2	2	2
Potassium iodide 2%	Ta	2	2	3	Silver nitrate	+20°	2	2	4
Sodium hyposulphite	+20°	2	2	4	Nickel nitrate	Ta	2	2	4
Isooctane	Ta	1	1	1	Potassium nitrate 1-5 %	+20°	2	2	2

		INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel			INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel
Copper nitrate 5%	+20°	1	1	4	Paraffin	Ta	1	1	1
Sodium nitrate	Ta	2	2	2	Paraformaldehyde	Ta	2	2	2
Nitrobenzene	Ta	2	2	2	Pentane	Ta	1	2	1
Oleum	Ta	2	2	2	Sodium perborate	Ta	2	2	2
Animal oil	Ta	1	1	1	Dry perchloroethylene	Ta	1	1	2
Fuel oil	Ta	1	1	2	Potassium permanganate	+20°	1	1	1
Coconut oil	Ta	2	2	3	Diluted I-peroxide	Ta	2	2	4
Creosote oil	Ta	2	2	2	Peroxide I conc.	Ta	2	2	4
Wood oil	Ta	1	1	2	Sodium peroxide	Ta	2	2	3
Linseed oil	Ta	2	2	1	Crude oil (sweet)	Ta	1	1	2
Corn oil	Ta	2	2	3	Crude oil (acid)	Ta	1	1	2
Olive oil	Ta	1	1	2	Lead acetate	+20°	2	2	4
Palm oil	Ta	2	2	3	Tetraethyl lead	Ta	2	2	3
Fish oil	Ta	1	1	2	Potassium dichromate	+20°	2	2	3
Pine oil	Ta	1	1	2	Potassium bromide	+20°	3	2	4
Cooling oil	Ta	1	1	2	Potassium carbonate 1%	+20°	2	2	2
Castor oil	Ta	1	1	2	Potassium cyanide	+20°	2	2	2
Cottonseed oil	Ta	2	2	3	Chlorinated potassium	+20°	2	2	2
Soya oil	Ta	1	1	3	Potassium chloride 1-5%	+20°	3	2	4
Desiccant oil	Ta	2	2	3	Potassium chloride K Cl	E	4	4	4
Hydraulic oil (petroleum base)	Ta	1	1	1	Potassium ferricyanide 5%	+20°	2	2	3
Lubricating oil	Ta	1	1	1	Potassium ferricyanide 5%	+20°	2	2	3
Mineral oil	Ta	1	1	2	Potassium hydrate 5%	+20°	2	2	2
Transformer oil	Ta	1	1	1	Potassium hydrate 25%	E	2	2	4
Edible vegetable oil	Ta	1	1	2	Potassium hydrate 50%	E	2	2	4
Vegetable oil	Ta	1	1	2	Potassium nitrate 1-5%	+20°	2	2	2
Ethylene oxide	Ta	2	2	2	Potassium nitrate 1-5%	C	2	2	2
Nitrous oxide	Ta	2	2	2	Potassium sulphate 1-5%	+20°	2	2	2
Oxygen	Cold	1	1	2	Potassium sulphate 1-5%	C	2	2	4
Oxygen	+260°	2	2	2	Saturated potassium sulphate	+20°	2	2	3
Oxygen	+540°	2	2	5	Propane	Ta	2	2	2
Dry ozone	Ta	1	1	3	Saturated copper acetate	+20°	2	2	4
Humid ozone	Ta	1	1	1	Saturated copper carbonate	+20°	1	1	5

		INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel			INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel
Saturated copper cyanide	E	2	2	5	Sodium or K and Na	+815°	1	1	4
Copper cyanide	+20°	3	2	4	Sodium silicate	Ta	2	2	2
Copper nitrate 5%	+20°	1	1	4	Saturated sodium sulphate	+20°	3	2	2
Copper nitrate 50%	C	2	2	4	Sodium sulphite 5%	+20°	2	2	2
Copper sulphate 5%	+20°	2	2	4	Sodium sulphite 10%	+65°	3	2	2
Saturated copper sulphate	E	2	2	4	Sodium sulphite 10%	E	3	2	4
Rosin resins	Ta	1	1	3	Saturated sodium sulphide	+20°	2	2	2
Brine	Ta	2	2	3	Sodium trisulphate 20%	+20°	2	2	4
Epson salt	Ta	2	2	3	Water sulphate	+20°	2	2	3
Soaps	+20°	2	2	2	Aluminium sulphate	Ta	2	1	3
Sodium silicate	Ta	2	2	2	Ammonium sulphate	+20°	3	2	3
Caustic soda 5%	+20°	2	2	2	Barium sulphate	+20°	2	2	2
Caustic soda 20%	E	1	1	2	Calcium sulphate	Ta	2	2	3
Caustic soda 50%	E	2	2	3	Magnesium sulphate	+20°	2	2	2
Caustic soda 75%	E	3	3	4	Nickel sulphate	C	3	2	4
Trisodium phosphate	Ta	2	2	3	Potassium sulphate	+20°	2	2	2
Wet sodium acetate	+20°	2	2	3	Copper sulphate	+20°	2	2	4
Sodium bicarbonate	+20°	2	2	3	Sodium sulphate	+20°	3	2	2
Sodium bisulphate	+20°	2	2	4	Zinc sulphate		2	2	4
Sodium carbonate 5%	+20°	2	2	2	Ferric sulphate	+20°	2	1	4
Sodium carbonate 5%	+65°	2	2	2	Ferrous sulphate 10%	+20°	2	2	4
Sodium cyanide	+20°	2	2	2	Saturated ferrous sulphate	+20°	2	2	4
Sodium chlorate 10%	+20°	2	2	3	Barium sulphite	Ta	2	2	3
Sodium chlorate 25%	+20°	2	2	5	Potassium sulphate	Ta	1	1	2
Sodium chloride 5%	+20°	2	2	3	Sulphur chloride (S liver)	Ta	3	2	4
Sodium chloride 20%	+20°	2	2	3	Sulphur (sulphur) dry liquefied S	+240°	2	2	2
Saturated sodium chloride	E	3	2	4	Sulphur (sulphur) wet liquefied S	+240°	3	2	4
Sodium fluoride 5%	+20°	2	2	5	Sulphur dioxide dry	+260°	2	2	2
Sodium hyposulphite	+20°	2	2	4	Wet sulphur dioxide	+20°	3	2	4
Sodium nitrate	+20°	1	1	2	Carbon sulphide	Ta	2	2	2
Sodium or K and Na	+150°	1	1	2	Saturated potassium sulphide	+20°	2	2	3
Sodium or K and Na	+540°	1	1	4	Sodium sulphide	+20°	2	2	2
					Sodium sulphide	C	2	2	3

		INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel			INOX 304 and 321 stainless steel	INOX 316 stainless steel	Carbon steel
Solution 10% NH4 in alcohol	Ta	2	2	2	Turpentine	+20°	1	1	1
Fertiliser solutions	Ta	2	2	2	Tributyl phosphate	Ta	1	1	1
Soap solutions (stearates)	Ta	1	1	1	Trichloroethylene dry	Ta	2	2	2
Solvent G.A.	Ta	1	1	2	Urea	Ta	2	2	2
Rubber solvent	Ta	1	1	1	Steam	+100°	1	1	1
Acetic solvents	Ta	1	1	1	Steam	+205°	1	1	1
Dry chlorinated solvents	Ta	2	2	3	Steam	+315°	1	1	2
Styrene	Ta	1	1	1	Vaseline	Ta	2	2	3
Strontium nitrate	Ta	1	1	4	Varnish	+20°	1	1	3
Fruit juices	Ta	1	1	4	Varnish	C	2	2	4
Fruit juices	E	2	1	4	Wine	+20°	1	1	4
Sugary juices in general	+65°	2	2	4	Viscose	Ta	2	2	2
Lemon juice	Ta	2	2	4	Dry xylene	Ta	1	1	2
Apple juice	Ta	2	2	4	Zinc chloride 5%	+20°	3	2	4
Tomato juice	Ta	1	1	3	Zinc chloride 5%	+20°	4	2	4
Photographic developers	Ta	2	2	4	Zinc sulphate 5%	+20°	2	1	2
Dry carbon tetrachloride	Ta	1	1	2	Zinc sulphate 5%	E	3	2	4
Wet carbon tetrachloride	Ta	2	2	4	Saturated zinc sulphate	+20°	2	1	2
Sodium thiosulphate	Ta	1	1	2					
Toluol or toluene	Ta	1	1	1					

source: www.tempco.it