

Material	304 Stainless Steel	316 Stainless Steel	Buna N Rubber	Vitron	PVC
Acetaldehyde	A	A	D	D	D
Acetate Solvents	A	A	C	D	D
Acetic Acid Glacial	C	A	C	D	D
Acetic Acid 20%	B	A	B	B	D
Acetic Acid 80%	C	A	C	B	D
Acetic Anhydride	A	A	D	D	D
Acetone	A	A	D	D	D
Acetylene	A	A	B	A	A
Acrylonitrile	-	A	D	D	-
Alcohol-Amyl	A	A	B	B	A
Alcohol-Butyl	A	A	A	A	A
Aluminum Chloride	A	C	A	A	A
Aluminum Sulphate	B	B	A	A	A
Alums	-	A	A	A	-
Amines	A	A	D	D	D
Ammonia (anhyd)	A	A	B	D	A
Ammonia (liquid)	B	A	C	D	A
Ammonium Chloride	C	D	B	A	A
Ammonium Hydroxide	A	A	D	B	A
Ammonium Nitrate	A	A	A	A	A
Ammonium Monophosphate	B	C	A	A	A
Ammonium Diphosphate	B	B	A	A	A
Ammonium Triphosphate	B	B	A	A	A
Ammonium Sulphate	B	B	A	A	A
Amyl Acetate	A	A	D	D	C
Amyl Chloride	A	A	-	B	D
Aniline	A	B	D	C	C
Arsenic Acid Solutions	A	A	A	A	A
Asphalt	B	A	B	A	A
Barium Cyanide	A	A	C	A	D
Barium Hydroxide	B	B	A	A	A
Barium Sulphide	B	B	A	A	A
Beer	A	A	A	A	A
Beet Sugar Liquors	A	A	A	A	A
Benzene or Benzol	B	B	D	A	C
Benzaldehyde	B	B	D	D	D
Benzoic Acid	B	B	D	A	A
Bleaching Liquor	-	-	-	A	B
Borax (Sodium Borate)	A	A	D	A	B
Boric Acid	B	A	A	A	A
Bromine	D	D	D	A	C
Butadiene	A	A	D	B	C
Butane	A	A	A	A	C
Butylene	A	A	B	A	C
Butyl Acetate	B	A	D	D	D
Butyric Acid	B	B	D	B	B
Calcium Bisulphite	-	A	-	-	-
Calcium Chlorate	-	-	C	A	A
Calcium Chloride	C	B	A	A	A
Calcium Hydroxide	C	B	A	A	A
Calcium Hypochlorite	C	B	C	A	B
Calcium Sulphate	B	A	A	A	A

Material	304 Stainless Steel	316 Stainless Steel	Buna N Rubber	Vitron	PVC
Cane Juice	A	A	A	A	A
Carbolic Acid (Phenol)	B	B	D	A	C
Carbon Bisulphide	A	B	C	A	D
Carbon Dioxide	A	A	A	B	A
Carbon Tetrachloride	B	B	C	A	B
Carbonic Acid	A	A	B	A	A
Chlorine (Dry)	C	B	D	A	A
Chlorine (Water)	C	C	D	A	A
Chlorobenzene	A	B	D	A	D
Chloroform	B	A	D	A	D
Chlorosulphonic Acid	D	B	D	C	C
Chromic Acid 10%	B	B	D	B	A
Chromic Acid 50%	C	B	D	A	C
Citric Acid	B	A	A	A	B
Citric Oils	A	A	A	A	-
Coffee	A	A	A	A	-
Copper Chloride	D	D	A	A	A
Copper Cyanide	B	B	A	A	A
Creosote	A	A	D	A	D
Cresylic Acid	A	A	D	A	C
Cyclohexane	A	A	A	A	D
Diacetone Alcohol	A	A	-	D	D
Diethylamine	-	B	C	D	D
Detergents	A	A	A	A	A
Dyes	A	A	-	A	B
Ethers	B	B	D	C	D
Ethyl Acetate	B	B	D	D	C
Ethyl Sulphate	-	D	A	A	-
Ethyl Chloride	A	A	A	A	D
Ethylene Glycol	A	A	A	A	A
Ethylene Oxide	C	C	D	D	C
Fatty Acids	B	A	B	A	B
Ferric Chloride Soln	D	C	A	A	A
Ferric Nitrate	B	A	A	A	A
Ferrous Chloride	D	C	A	A	A
Ferrous Sulphate	B	B	A	-	A
Fluorine	C	C	-	B	D
Fluorosilicic Acid	C	B	A	-	A
Formaldehyde 100%	C	A	C	D	A
Formaldehyde 40%	C	A	C	D	A
Formic Acid	B	C	B	C	A
Fruit Juices	-	A	A	A	A
Freon TF	-	-	A	B	B
Furfural	B	B	D	D	D
Garlic Acid	B	B	B	A	A
Gasoline	A	A	A	A	C
Gelatin	A	A	A	A	A
Glucose	A	A	A	A	A
Glue P.V.A.	A	A	A	A	C
Glycerol	A	A	A	A	A
Heptane	A	A	A	A	C
Hexane	A	A	A	A	B

KEY: A = GOOD B= FAIR C= QUESTIONABLE D = POOR - = INSUFFICIENT DATA

Material	304 Stainless Steel	316 Stainless Steel	Buna N Rubber	Vitron	PVC
Hydrobromic Acid 100%	D	D	D	A	A
Hydrochloric Acid 100%	D	D	D	A	B
Hydrocyanic Acid	B	B	B	A	A
Hydrofluoric Acid 100%	B	B	D	A	C
Hydrogen Sulphide (Dry)	C	B	A	D	A
Hydrogen Sulphide (Wet)	C	C	D	D	B
Ink	C	C	A	A	C
Iodine	C	C	B	A	C
Isotane	-	-	A	A	A
Isopropyl Acetate	C	A	D	D	D
Isopropyl Ether	A	A	B	D	B
Kerosene	A	A	A	A	A
Lactic Acid	B	B	A	A	C
Lacquer Thinners	A	A	D	D	C
Latex	A	A	A	A	-
Magnesium Carbonate	A	A	A	A	A
Magnesium Chloride	A	A	A	A	A
Magnesium Hydroxide	B	A	B	A	A
Magnesium Nitrate	A	A	A	A	A
Magnesium Sulphate Soln	B	B	A	A	A
Mercuric Chloride Dilute	D	C	A	A	A
Mercuric Cyanide	B	B	A	A	B
Mercury	A	A	A	A	D
Methyl Acetate	A	A	D	D	D
Methyl Acetone	A	A	D	A	D
Methyl Alcohol	A	A	A	A	A
Methylamine	-	A	C	D	D
Methyl Cellosolve	A	A	C	D	B
Methyl Chloride	A	A	D	A	D
Methyl Ethyl Ketone	A	A	D	D	D
Methaire	A	A	A	A	B
Methylene Chloride	-	B	D	B	A
Milk	B	A	A	A	A
Mineral Spirits	A	A	A	A	A
Molasses	A	A	A	A	D
Naptha	A	A	C	A	D
Napthalene	A	A	D	A	A
Natural Gas	-	A	C	A	-
Nickel Chloride	D	C	A	A	A
Nickel Sulphate	B	B	A	A	A
Nitric Acid	A	A	D	A	A
Nitric Acid 5-10%	A	A	D	A	A
Nitric Acid 20%	A	A	D	A	A
Nitric Acid 50%	A	A	D	A	B
Nitrobenzene	B	A	D	B	D
Nitrous Oxide	B	B	-	-	A
Oils-Bone	-	A	A	-	A
Oils-Cottonseed	A	A	A	A	B
Oils-Cod Liver	A	A	A	A	A
Oils-Fuel	A	A	B	A	A
Oils-Lube	A	A	A	A	A
Oils-Mineral	A	A	A	A	A

Material	304 Stainless Steel	316 Stainless Steel	Buna N Rubber	Vitron	PVC
Oils-Olive	A	A	A	A	C
Oils-Transformer	A	A	A	A	B
Oleic Acid	B	B	C	B	C
Oleum 100%	B	B	D	A	D
Oxalic Acid (Cold)	B	B	B	A	A
Ozone	B	A	D	A	C
Paraffin	A	A	A	B	A
Pentane	C	C	A	A	A
Perchloroethylene	B	A	C	A	C
Phenol 10%	B	B	D	A	C
Phosphoric Acid	A	B	D	A	B
Picric Acid	B	B	B	A	D
Potassium Chloride Soln	A	B	A	A	A
Potassium Cyanide Soln	B	B	A	A	A
Potassium Hydroxide	B	B	B	B	A
Potassium Nitrate	B	B	A	A	A
Potassium Sulphate	B	B	A	A	A
Potassium Sulphide	B	A	A	A	A
Propane Liquefied	A	A	A	A	A
Propyl Alcohol	B	B	A	A	C
Propylene Glycol	B	B	A	A	C
Rosins	A	A	A	-	C
Sea Water	C	A	A	A	A
Shellac Bleached	A	A	A	A	-
Shellac Orange	A	A	A	-	-
Soap Soln	A	A	A	A	A
Sodium Acetate	B	B	B	D	B
Sodium Aluminate	A	A	A	A	-
Sodium Bisulphate	D	B	B	A	A
Sodium Bisulphite	B	B	A	A	A
Sodium Carbonate Soln	B	A	A	A	A
Sodium Chlorate	B	B	C	A	A
Sodium Chloride	B	C	A	A	A
Sodium Cyanide	B	A	A	A	A
Sodium Hydroxide 20%	B	A	B	B	A
Sodium Hydroxide 50%	B	B	B	B	A
Sodium Hydroxide 80%	B	C	B	B	A
Sodium Hypochlorite 100%	D	D	B	A	C
Sodium Metaphosphate	A	A	A	A	B
Sodium Metasilicate	A	A	A	A	A
Sodium Nitrate	B	B	B	A	A
Sodium Perborate	B	B	B	A	A
Sodium Peroxide	A	A	B	A	B
Sodium Polyphosphate	B	B	A	A	A
Sodium Silicate	B	A	A	A	A
Sodium Sulphate	B	B	A	A	A
Sodium Sulphide	D	B	A	A	A
Sodium Sulphite	A	B	A	A	A
Sodium Thiosulphate	B	A	B	A	A
Stearic Acid	B	A	B	A	B
Styrene	A	A	D	B	D
Sugar liquid	A	A	A	A	-

KEY: A = GOOD B= FAIR C= QUESTIONABLE D = POOR - = INSUFFICIENT DATA

Material	304 Stainless Steel	316 Stainless Steel	Buna N Rubber	Vitron	PVC
Sulphuric Acid 10-75%	D	D	D	A	A
Sulphuric Acid 75-100%	C	D	D	A	D
Sulphurous Acid	B	B	B	A	A
Tanning Liquors	A	A	A	A	A
Tannic Acid	B	A	A	A	A
Tin Salts	D	-	-	-	A
Tartaric Acid	C	C	A	A	A
Toluol & Toluene	A	A	D	A	D
Triethylamine	A	A	A	A	A
Trisodium	A	B	-	-	A
Turpentine	A	A	A	A	B
Varnish	A	A	B	A	D
Vinegar	A	A	B	A	A
Water-Acid Mine	A	A	A	A	A
Water-Fresh	A	A	A	A	A
Water-Distilled	A	A	A	A	A
Water-Salt	B	B	A	A	A
Weed Killers	A	A	A	-	A
Whiskey & Wines	A	A	A	A	A
Zinc Chloride	D	D	A	A	A
Zinc Sulphate	B	B	A	A	A