CHEMICAL RESISTANCE CHART

CHEMICAL	316 SS	304 SS	EPDM	FPM
Acetic Acid 20%	A	A	A	B
Acetic Acid 80%	A	B	A	B
Acetic Anhydride	A	B	B	D
Acetone	A	A	A	D
Alcohols:Amyl	A	A	A	A
Alcohols:Benzyl	A	A	B	A
Alcohols:Butyl (Butanol)	A	A	A	A
Alcohols:Isopropyl	B	B	A	A
Alcohols:Methyl	A	A	A	C
Aluminum Chloride	C	D	A	A
Aluminum Chloride 20%	D	D	A	A
Aluminum Sulfate (<200° F)	A	A	A	A
Ammonium Carbonate	A	A	A	A
Ammonium Chloride	B	C	A	A
Ammonium Hydroxide	A	A	A	B
Amyl Chloride	A	A	D	B
Aniline	A	A	B	C
Aniline Hydrochloride	D	D	B	B
Antifreeze	A	N/A	A	A
Asphalt	A	B	D	A
Barium Chloride	B	B	A	A
Barium Hydroxide	A	B	A	A
Beer	A	A	A	A
Beet Sugar Liquids	A	A	A	A
Benzaldehyde	A	A	A	D
Benzene	A	A	D	A
Benzoic Acid	B	B	D	A
Borax (Sodium Borate)	A	A	A	A
Boric Acid	A	A	A	A
Bromine	D	D	D	A
Butter	A	C	A	A
Buttermilk	A	A	A	A
Butylacetate	A	A	B	D
Butyric Acid	B	B	B	B
Calcium Bisulfate	A	N/A	A	A
Calcium Bisulfide	B	B	C	A
Calcium Bisulfite	A	B	D	A
Calcium Chloride	B	B	A	A
Calcium Hydroxide	B	B	A	A
Calcium Hypochlorite	B	C	B	A
Carbon Dioxide (dry)	A	A	B	B
Carbon Dioxide (wet)	A	A	B	B
Carbon Disulfide	A	A	D	A
Carbon Monoxide	A	A	A	A
Carbon Tetrachloride	A	A	D	N/A
Carbonic Acid	A	A	B	A
Catsup	A	A	A	A
Chlorine (dry)	A	A	A	A
Chlorine Water	C	C	C	A
Chloroacetic Acid	C	C	B	D
Chlorobenzene (Mono)	B	A	D	A
Chloroform	B	B	D	A
Chlorosulfonic Acid	B	D	D	C
Chocolate Syrup	A	A	A	A
Chromic Acid 5%	C	B	A	A
Cider	A	A	A	A
Citric Acid	A	B	A	A
Citric Oils	A	A	B	A
Coffee	A	A	A	A
Copper Chloride	C	C	A	A
Copper Cyanide	B	B	A	A
Copper Nitrate	A	A	N/A	A
Copper Sulfate >5%	B	B	A	A
Detergents	A	A	A	A
Diesel Fuel	A	A	D	A
Dyes	A	A	N/A	A
Epsom Salt (Magnesum Sulfate)	B	A	A	A
Ethanol	A	A	A	A
Ethanolamine	A	A	B	D
Ether	A	A	C	C
Ethyl Chloride	A	A	A	A
Ethyl Ether	B	B	D	D
Fatty Acids	A	B	D	A
Fluorine	A	A	A	C
Formaldehyde 100%	A	A	A	D
Formic Acid (<100° F)	A	A	A	C
Fruit Juice	A	A	N/A	A
Fuel Oils	A	A	D	A
Furfural	B	A	C	D
Gallic Acid	B	A	B	A
Gelatin	A	A	A	A
Glucose	A	A	A	A
Glycerin	A	A	A	A
Glycolic Acid	A	A	A	A
Grape Juice	A	A	A	A
Hydrochloric Acid	D	D	A	A
Hydrogen Peroxide 10%	A	A	A	B
Iodine	D	D	B	A
Lead Acetate	B	B	A	D
Magnesium Chloride	D	D	A	A
Magnesium Sulfate (Epsom Salts)	B	A	A	A
Mercury	A	A	A	A
Methanol (Methyl Alcohol)	A	A	A	C
Methyl Chloride	A	A	D	A
Methylene Chloride	B	B	C	B
Milk	A	A	A	A
Mineral Spirits	A	A	D	A
Molasses	A	A	A	A
Naphthalene	A	A	D	A
Natural Gas	A	A	D	A
Nickel Chloride (<10%)	B	B	A	A
Nickel Sulfate	B	B	A	A
Nitric Acid (20%)	A	A	A	A
Nitrous Acid	B	B	A	B
Oxalic Acid	C	C	A	A
Ozone	A	B	A	A
Perchloric Acid	D	D	B	A
Phosphoric Acid (crude)	B	D	B	A
Picric Acid (<10%)	A	A	B	A
Potash (Potassium Carbonate)	A	A	A	A
Potassium Bicarbonate	B	B	A	A
Potassium Bromide	B	B	A	A
Potassium Chlorate	A	A	A	A
Potassium Chloride	A	B	A	A
Potassium Hydroxide (Caust ICPotash)	A	B	A	B
Potassium Nitrate	B	B	A	A
Potassium Permanganate	A	A	A	A
Potassium Sulfate	A	A	A	A
Potassium Sulfide	B	B	A	A
Propylene Glycol	B	B	A	A
Pyridine	A	A	B	D
Rum	A	A	A	A
Salicylic Acid	B	B	A	A
Salt Brine (NaCl saturated)	A	B	A	A
Sea Water	C	C	A	A
Silver Nitrate	A	B	A	A
Soap Solutions	A	A	A	A
Soda Ash (see Sodium Carbonate)	A	A	A	A
Sodium Acetate	A	A	A	D
Sodium Bicarbonate	A	A	A	A
Sodium Bisulfate	B	D	A	A
Sodium Bisulfite (<100° F)	A	B	A	A
Sodium Bromide	B	C	A	A
Sodium Carbonate	A	A	A	A
Sodium Chlorate	B	A	A	A
Sodium Chloride	B	B	A	A
Sodium Cyanide (<200° F)	A	A	A	A
Sodium Fluoride (<10%)	A	C	A	A
Sodium Hydroxide (20%)	A	A	B	C
Sodium Hypochlorite (<20%)	C	C	B	A
Sodium Hypochlorite (100%)	D	D	B	A
Sodium Nitrate	A	A	A	A
Sodium Peroxide	A	A	A	A
Sodium Polyphosphate	B	B	A	A
Sodium Silicate	B	A	A	A
Sodium Sulfate	A	A	A	A
Sodium Sulfide (<10%)	A	B	A	A
Sodium Sulfite	A	B	A	A
Stannic Chloride (<10%)	B	B	A	A
Stannous Chloride	B	C	C	A
Starch	A	A	A	A
Stearic Acid	A	B	B	A
Sugar (Liquids)	A	A	A	A
Sulfate (Liquors)	B	B	A	A
Sulfur Chloride (100%)	A	A	D	A
Sulfur Dioxide (<10%)	A	D	A	A
Sulfuric Acid (<10%)	B	D	A	A
Sulfuric Acid (10-75%)	D	D	B	A
Sulfurous Acid (Solution)	B	B	B	A
Toluene (Toluol)	A	A	D	B
Tomato Juice	A	A	A	A
Trichloroethylene	A	A	D	A
Trisodium Phosphate	B	B	A	A
Turpentine	A	A	D	A
Urea	B	B	A	A
Urine	A	A	A	A
Vegetable Juice	A	A	A	A
Vinegar	A	A	A	A
Water, Deionized	A	A	A	A
Whiskey & Wines	A	A	A	A
Xylene	A	A	D	B
Zinc Sulfate	A	A	A	A

RATINGS	
A	Excellent.
B	Good -- Minor Effect, slight corrosion or discoloration.
C	Fair -- Moderate Effect, not recommended for continuous use. Softening, loss of strength or swelling may occur.
D	Severe Effect, not recommended for ANY use.
N/A	Information Not Available.

CAUTION!
The information in this chart has been compiled from several reputable sources, including "Corrosion Data Survey", 6th Ed., NACE, and is intended for use as reference information only.

Specific application factors including temperature and concentration may affect suitability and it is recommended that the user test for compatibility.