

2 7/8"
(73 mm)

4"
(102mm)

4"
(102mm)

GUIDE TO CORROSION RESISTANCE

User Guide

MEDIA

Acetate Solvents
Acetic Acid, Crude
Acetic Acid, Pure
Acetic Anhydride
Acetone
Acetylene
Air
Alcohols
Aluminum Sulfate
Aiums
Ammonia Gas, Cold
Ammonia Gas, Hot
Ammonia Liquid
Ammonium Nitrate
Ammonium Phosphate, Dibasic
Ammonium Phosphate, Tribasic
Ammonium Sulfate
Asphalt
Beer
Beet Sugar Liquors
Benzene
Black Sulfate Liquor
Borax
Boric Acid
Bunker Oils
Butane
Calcium Bisulfite
Calcium Chloride
Calcium Hydroxide
Calcium Hypochlorite
Carbonic Acid
Chlorine, Dry
Chlorine, Wet
Chromic Acid
Citric Acid
Coconut Oil
Coke Oven Gas
Cottonseed Oil
Cutting Oils
Dowtherm
Dry Clean Fluids
Ethers
Ethylene Glycol
Fatty Acids
Ferric Chloride
Ferric Sulfate
Formic Acid
Freon, Wet
Fuel Oil
Gasoline
Gasoline, Sour
Gelatin
Glucose
Glue
Glycerine
Hydraulic Oil, Petroleum Base
Hydrogen Gas
Hydrogen Peroxide
Hydrogen Sulfide, Dry
Hydrogen Sulfide, Wet
JP-4 Fuel
JP-5 Fuel
JP-6 Fuel
Kerosene
Lacquers

	BRONZE	CARBON STEEL	IRON	TYPE 316 SST	ASBESTOS	NEOPRENE	PTFE
Acetate Solvents	•	•		•			•
Acetic Acid, Crude				•			
Acetic Acid, Pure				•			
Acetic Anhydride				•			
Acetone	•	•	•	•	•	•	•
Acetylene				•			
Air	•	•	•	•	•	•	•
Alcohols				•			
Aluminum Sulfate				•			
Aiums				•		•	•
Ammonia Gas, Cold				•			
Ammonia Gas, Hot				•			
Ammonia Liquid				•			
Ammonium Nitrate		•	•	•		•	•
Ammonium Phosphate, Dibasic		•	•	•			
Ammonium Phosphate, Tribasic		•	•	•			
Ammonium Sulfate		•	•	•			
Asphalt	•	•	•	•	•	•	•
Beer	•	•	•	•	•	•	•
Beet Sugar Liquors		•	•	•	•	•	•
Benzene	•	•	•	•	•	•	•
Black Sulfate Liquor		•	•	•	•	•	•
Borax		•	•	•	•	•	•
Boric Acid				•	•	•	•
Bunker Oils				•			
Butane	•	•	•	•	•		
Calcium Bisulfite				•		•	•
Calcium Chloride		•	•	•	•	•	•
Calcium Hydroxide	•	•	•	•	•	•	•
Calcium Hypochlorite				•	•	•	•
Carbonic Acid				•	•	•	•
Chlorine, Dry				•	•	•	•
Chlorine, Wet				•	•	•	•
Chromic Acid				•	•	•	•
Citric Acid				•	•	•	•
Coconut Oil	•			•	•	•	•
Coke Oven Gas		•	•	•	•	•	•
Cottonseed Oil		•	•	•	•	•	•
Cutting Oils	•	•	•	•	•	•	•
Dowtherm				•		•	•
Dry Clean Fluids		•	•	•	•	•	•
Ethers		•	•	•	•	•	•
Ethylene Glycol	•	•	•	•	•	•	•
Fatty Acids	•			•	•	•	•
Ferric Chloride				•	•	•	•
Ferric Sulfate				•	•	•	•
Formic Acid				•	•	•	•
Freon, Wet	•			•	•	•	•
Fuel Oil	•	•	•	•	•	•	•
Gasoline	•	•		•	•	•	•
Gasoline, Sour				•	•	•	•
Gelatin	•	•	•	•	•	•	•
Glucose	•	•	•	•	•	•	•
Glue	•	•	•	•	•	•	•
Glycerine	•	•	•	•	•	•	•
Hydraulic Oil, Petroleum Base		•		•	•	•	•
Hydrogen Gas				•	•	•	•
Hydrogen Peroxide				•	•	•	•
Hydrogen Sulfide, Dry		•	•	•	•	•	•
Hydrogen Sulfide, Wet				•	•	•	•
JP-4 Fuel	•	•	•	•	•	•	•
JP-5 Fuel	•	•	•	•	•	•	•
JP-6 Fuel	•	•	•	•	•	•	•
Kerosene				•	•	•	•
Lacquers	•			•			•

MEDIA

Linseed Oil
Liquefied Petroleum Gas (LPG)
Lubricating Oil
Magnesium Chloride
Magnesium Hydroxide
Magnesium Sulfate
Mercuric Chloride
Mercury
Methyl Alcohol
Milk
Mineral Oil
Molasses
Naphtha
Naphthalene
Nickel Chloride
Nitrogen
Oleum
Olive Oil
Oxalic Acid
Oxygen
Ozone
Palmitic Acid
Pine Oil
Potassium Chloride
Potassium Sulfate
Producer Gas
Propane
Shellac, Bleached
Shellac, Orange
Soap Solutions
Sodium Bicarbonate
Sodium Chloride
Sodium Cyanide
Sodium Hypochlorite
Sodium Metaphosphate
Sodium Nitrate
Sodium Perborate
Sodium Peroxide
Sodium Phosphate, Dibasic
Sodium Phosphate, Tribasic
Sodium Silicate
Sodium Sulfate
Sodium Sulfite
Soybean Oil
Steam
Stearic Acid
Sulfurous Acid
Tar
Tartaric Acid
Toluene or Toluol
Transformer Oil
Trichloroethylene
Turpentine
Varnish
Vegetable Oil
Vinegar
Water, Distilled
Water, Sea
Whiskey and Wine
Zinc Chloride
Zinc Sulfate

	BRONZE	CARBON STEEL	IRON	TYPE 316 SST	ASBESTOS	NEOPRENE	PTFE
Linseed Oil		•	•		•		•
Liquefied Petroleum Gas (LPG)	•				•		•
Lubricating Oil		•	•	•	•		•
Magnesium Chloride		•	•	•		•	•
Magnesium Hydroxide		•	•	•		•	•
Magnesium Sulfate	•	•	•	•		•	•
Mercuric Chloride						•	•
Mercury		•	•	•	•	•	•
Methyl Alcohol				•	•	•	•
Milk	•			•	•	•	•
Mineral Oil				•	•	•	•
Molasses	•	•	•	•		•	•
Naphtha				•	•	•	•
Naphthalene		•		•	•	•	•
Nickel Chloride				•	•	•	•
Nitrogen	•	•	•	•		•	•
Oleum				•	•	•	•
Olive Oil				•	•	•	•
Oxalic Acid				•	•	•	•
Oxygen	•			•	•	•	•
Ozone				•	•	•	•
Palmitic Acid				•	•	•	•
Pine Oil				•	•	•	•
Potassium Chloride	•	•	•	•		•	•
Potassium Sulfate		•	•	•		•	•
Producer Gas				•	•	•	•
Propane	•	•	•	•		•	•
Shellac, Bleached	•	•		•	•	•	•
Shellac, Orange	•	•		•	•	•	•
Soap Solutions	•	•		•	•	•	•
Sodium Bicarbonate				•	•	•	•
Sodium Chloride		•	•	•	•	•	•
Sodium Cyanide		•	•	•	•	•	•
Sodium Hypochlorite				•	•	•	•
Sodium Metaphosphate				•	•	•	•
Sodium Nitrate		•	•	•	•	•	•
Sodium Perborate				•	•	•	•
Sodium Peroxide				•	•	•	•
Sodium Phosphate, Dibasic	•			•	•	•	•
Sodium Phosphate, Tribasic	•	•	•	•	•	•	•
Sodium Silicate				•	•	•	•
Sodium Sulfate	•	•	•	•	•	•	•
Sodium Sulfite	•	•	•	•	•	•	•
Soybean Oil				•	•	•	•
Steam	•	•	•	•	•	•	•
Stearic Acid				•	•	•	•
Sulfurous Acid				•	•	•	•
Tar	•	•	•	•	•	•	•
Tartaric Acid				•	•	•	•
Toluene or Toluol	•	•	•	•	•	•	•
Transformer Oil		•		•	•	•	•
Trichloroethylene		•		•	•	•	•
Turpentine				•	•	•	•
Varnish	•			•	•	•	•
Vegetable Oil	•	•	•	•	•	•	•
Vinegar	•			•	•	•	•
Water, Distilled	•			•	•	•	•
Water, Sea				•	•	•	•
Whiskey and Wine	•			•	•	•	•
Zinc Chloride				•	•	•	•
Zinc Sulfate				•	•	•	•

The following information has been assembled from many sources. Due to varying operating conditions, it should in no way be construed as a GUARANTEE. Consultation with system designer is recommended before final material selection is made. A dot in corresponding columns indicates satisfactory conditions for respective use.