

**CHEMICAL RESISTANCE OF BRONZE PADDLE PUMPS AND IMPELLERS**

COMPATIBILITY RATINGS	1 = SATISFACTORY	2 = FAIR	3 = DOUBTFUL	4 = UNSATISFACTORY	X =
LIQUID	53X - 63X	LIQUID	53X - 63X	LIQUID	53X - 63X
<b>A</b>		<b>F</b>		<b>O</b>	
Acetaldehyde	X	Ferric Chloride	1	Octyl Alcohol	X
Acetone	4	Ferric Nitrate	1	Oleic Acid	X
Acetyl Acetone	X	Formaldehyde	2	Olive Oil	2
Acetyl Chloride	X	Freon, 11	X	Ozone	1
Aluminum Acetate	2	Freon, 22	1	<b>P</b>	
Aluminum Bromide	X	Fuel Oil	1	Paint Thinner, Duco	X
Aluminum Chloride	1	Furfural	4	Palmitic Acid	2
Aluminum Nitrate	1	<b>G</b>		Peanut Oil	1
Ammonia, Gas, Cold	X	Gasoline	1	Petroleum Oil, Crude	
Gas, Hot	X	Gelatin	1	Phenol	X
Liquid (Anhydrous)	X	Glycerine-Glycerol	1	Phosphoric Acid, 3 Molar	X
Ammonium Chloride, 2N	X	Glycols	1	Concentrated	X
Ammonium Nitrate, 2N	1	<b>H</b>		Potassium Chloride	1
Ammonium Sulfate	1	N-Heptane	X	Potassium Cyanide	1
Amyl Alcohol	1	N-Hexane	1	Potassium Hydroxide, 50%	1
Amyl Naphthalene	X	Hexyl Alcohol	X	Potassium Nitrate	1
Aniline Hydrochloride	4	Hydraulic Oil (petroleum base)	1	Potassium Sulphate	1
Fluid	X	Hydrochloric Acid, 3 Molar	4	Propane	1
Automotive Brake Fluid	X	concentrated	4	Propyl Alcohol	1
<b>B</b>		Hydrogen Peroxide	X	<b>R</b>	
Barium Chloride	1	Hydrogen Sulfide		RJ-1 (MIL-F-25558)	X
Barium Hydroxide	1	Wet, Cold	2	RP-1 (MIL-R-25576)	X
Beer	1	Wet, Hot	2	Rapeseed Oil	1
Beet Sugar Liquors	X	Hypochlorous Acid	X	<b>S</b>	
Bleach Liquor	X	<b>I</b>		Sewage	X
Boric Acid	1	Isopropanol	X	Silicone Greases	1
Bromine Trifluoride	4	Isopropyl Alcohol	1	Silicone Oils	1
Butane	1	<b>J</b>		Soap Solutions	1
Butter - Animal Fat	1	JP X (MIL-F-25604)	X	Soda Ash	1
Butyl Alcohol	X	<b>K</b>		Sodium Bicarb / Baking Soda	1
<b>C</b>		Kerosene	1	Sodium Borate	1
Calcium Chloride	1	(similar to RP-1 & JP-1)		Sodium Bisulfate of Bisulfite	1
Calcium Hydroxide	1	<b>L</b>		Sodium Chloride	1
Calcium Nitrate	1	Lacquers	4	Sodium Hydroxide, 3 Molar	2
Cane Sugar Liquors	1	Lacquer Solvents	4	Sodium Hypochlorite 20%	1
Carbolic Acid, Phenol	X	Lard, Animal Fat	1	Sodium Nitrate	1
Castor Oil	1	Lime Sulphur	X	Sodium Sulphate	1
Chlorine Bleach	X	Linseed Oil	X	Sour Crude Oil	X
Chlorine, Wet	2	Liquid Petroleum Gas (LPG)	1	Soybean Oil	1
Chlorobenzene	4	Lubricating Oils, Di-ester	X	Stearic Acid	2
Chlorodane	X	Petroleum Base	1	Stoddard Solvent	1
Citric Acid	1	SAE 10, 20, 30,40, 50	1	Sulfur Liquors	2
Cobalt Chloride	X	Lye Solutions	X	Sulfur Hexafluoride	1
Copper Acetate	X	<b>M</b>		Sulfuric Acid, 3 Molar	2
Corn Oil	1	Magnesium Chloride	1	Concentrated	4
Cottonseed Oil	1	Magnesium Hydroxide	1	Sulfurous Acid	X
Crude Oil	X	Magnesium Sulphate & Sulfate	1	<b>T</b>	
<b>D</b>		Mercuric Chloride	1	Tannic Acid	X
Denatured Alcohol	1	Mercury	1	Tartaric Acid	X
Detergent, Water Solution	1	Methane	1	Transformer Oil	X
Developing Fluids (photo)	X	Methanol	X	Transmission Fluid Type A	1
Diacetone Alcohol	4	Methyl Alcohol	2	Trichloroethylene	4
Dichloro-Isopropyl Ether	X	Milk	X	Turbine Oil	1
Diesel Oil	1	Mineral Oils	1	Turpentine	1
Diethylene Glycol	1	<b>N</b>		<b>V</b>	
Drinking Water	X	Naptha	1	Vegetable Oil	1
Dry Cleaning Fluids	X	Natural Gas	1	Versilube F-50	1
<b>E</b>		Nickel Chloride	X	<b>W X Y Z</b>	
Ethanol	X	Nickel Sulfate	X	Water	2
Ethers	X	Nitric Acid, 3 Molar	4	Whiskey and Wines	X
Ethyl Alcohol	1	Concentrated	4	Wood Alcohol	X
Ethylene Diamine	1	Red Fuming (RFNA)	4	Xylene	4
Ethyl Ether	2	Inhibited Red Fuming (IRFNA)	4	Zinc Chloride	X
Ethylene Glycol	1			Zinc Sulfate	X