

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

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