

CPVC Chemical Resistance

Reagent	Temperature		Reagent	Temperature		Reagent	Temperature		Reagent	Temperature		Reagent	Temperature		Reagent	Temperature	
	73°F	180°F		73°F	180°F		73°F	180°F		73°F	180°F		73°F	180°F		73°F	180°F
	(23°C)	(82°C)		(23°C)	(82°C)		(23°C)	(82°C)		(23°C)	(82°C)		(23°C)	(82°C)		(23°C)	(82°C)
Acetaldehyde	N	N	Benzoic Acid, sat'd in water	R	N	Chromic Acid, 40% (conc.)	R	R	Ferrous Hydroxide	R	R	Methyl Cellosolve	N	N	Potassium Hypochlorite	R	R
Acetic Acid, up to 10%	R	R	Benzyl Alcohol	N	N	Chromium Nitrate	R	R	Ferrous Nitrate	R	R	Methyl Chloride	N	N	Potassium Iodide	R	R
Acetic Acid, greater than 10%	C	C	Benzyl Chloride	N	N	Citric Acid	R	R	Ferrous Sulfate	R	R	Methyl Ethyl Ketone	N	N	Potassium Nitrate	R	R
Acetic Acid, Glacial	N	N	Bismuth Carbonate	R	R	Citrus Oils	N	N	Fluorine gas	N	N	Methyl Formate	N	N	Potassium Perborate	R	R
Acetic Anhydride	N	N	Black Liquor	R	R	Coconut Oil	C	C	Fluosilicic Acid, 30%	R	C	Methyl Isobutyl Ketone	N	N	Potassium Perchlorate, sat'd	R	R
Acetone, up to 5%	R	R	Bleach, household (5% Cl)	R	R	Copper Acetate	R	R	Formaldehyde	N	N	Methyl Methacrylate	N	N	Potassium Permanganate, sat'd	R	R
Acetone, greater than 5%	C	C	Bleach, industrial (15% Cl)	R	R	Copper Carbonate	R	R	Formic Acid, up to 25%	R	R	Methylamine	N	N	Potassium Persulfate, sat'd	R	–
Acetone, pure	N	N	Borax	R	R	Copper Chloride	R	R	Formic Acid, greater than 25%	C	N	Methylene Chloride	N	N	Potassium Phosphate	R	R
Acetyl Nitrile	N	N	Boric Acid	R	R	Copper Cyanide	R	R	Freons	C	C	Mineral Oil	R	–	Potassium Sulfate	R	R
Acrylic Acid	N	N	Brine Acid	R	R	Copper Fluoride	R	R	Fructose	R	R	Monoethanolamine	N	N	Potassium Sulfide	R	R
Acrylonitrile	N	N	Bromine	N	N	Copper Nitrate	R	R	Gasoline	N	N	Motor Oil	R	–	Potassium Sulfite	R	R
Adipic Acid, sat'd in water	R	R	Bromobenzene	N	N	Copper Sulfate	R	R	Glucose	R	R	Muriatic Acid	R	C	Potassium Triphosphate	R	R
Alcohols	C	C	Bromotoluene	N	N	Corn Oil	C	C	Glycerine	R	R	Naphthalene	N	N	Propanol, up to 0.5%	R	R
Allyl Alcohol	C	C	Butanol	C	C	Corn Syrup	R	R	Glycol Ethers	N	N	Nickel Acetate	R	R	Propanol, greater than 0.5%	C	C
Allyl Chloride	N	N	Butyl Acetate	N	N	Cottonseed Oil	C	C	Green Liquor	R	R	Nickel Chloride	R	R	Propionic Acid, up to 2%	R	R
Alum, all varieties	R	R	Butyl Carbitol	N	N	Creosote	N	N	Halocarbon Oils	C	C	Nickel Nitrate	R	R	Propionic Acid, greater than 2%	C	C
Aluminum Acetate	R	R	Butyl Cellosolve	N	N	Cresol	N	N	Heptane	C	–	Nickel Sulfate	R	R	Propionic Acid, pure	N	N
Aluminum Chloride	R	R	Butyric Acid, up to 1%	R	R	Crotonaldehyde	N	N	Hydrazine	N	N	Nitric Acid, up to 25%	R	R	Propylene Dichloride	N	N
Aluminum Fluoride	R	R	Butyric Acid, greater than 1%	C	C	Cumene	N	N	Hydrochloric Acid	R	R	Nitric Acid, 25-35%	R	C	Propylene Glycol, up to 25%	R	R
Aluminum Hydroxide	R	R	Butyric Acid, pure	N	N	Cupric Fluoride	R	R	Hydrochloric Acid, 36% (conc.)	R	C	Nitric Acid, greater than 35%	R	N	Propylene Glycol, greater than 25%	C	C
Aluminum Nitrate	R	R	Cadmium Acetate	R	R	Cupric Sulfate	R	R	Hydrofluoric Acid, 3%	R	–	Nitric Acid, 70%	R	N	Sulfamic Acid	R	R
Aluminum Sulfate	R	R	Cadmium Chloride	R	R	Cuprous Chloride	R	R	Hydrofluosilicic Acid, 30%	R	C	Nitrobenzene	N	N	Sulfur	R	–
Amines	N	N	Cadmium Sulfate	R	R	Cyclohexane	N	N	Hydrogen Peroxide, 30%	R	–	1-Octanol	C	N	Pyridine	N	N
Ammonia	N	N	Calcium Acetate	R	R	Cyclohexanol	N	N	Hydrogen Sulfide, Aqueous	R	R	Oils, edible	C	C	Sea Water	R	R
Ammonium Acetate	R	R	Calcium Bisulfide	R	R	Cyclohexanone	N	N	Hypochlorous Acid	R	R	Oils, Sour Crude	N	N	Silicic Acid	R	–
Ammonium Benzoate	R	R	Calcium Bisulfite	R	R	Detergents	C	C	Isopropanol	C	C	Oleum	N	N	Silicone Oil	R	–
Ammonium Bifluoride	R	R	Calcium Carbonate	R	R	Dextrin	R	R	Ketones	N	N	Olive Oil	C	C	Silver Chloride	R	R
Ammonium Carbonate	R	R	Calcium Chlorate	R	R	Dextrose	R	R	Kraft Liquors	R	R	Oxalic Acid, Sat'd	R	C	Silver Cyanide	R	R
Ammonium Chloride	R	R	Calcium Chloride	R	R	Dibutyl Phthalate	N	N	Lactic Acid 25%	R	R	Oxygen	R	R	Silver Nitrate	R	R
Ammonium Citrate	R	R	Calcium Hydroxide	R	R	Dibutyl Ethyl Phthalate	N	N	Lactic Acid, 85% (Full strength)	R	C	Ozonized water	R	–	Silver Sulfate	R	R
Ammonium Dichromate	R	R	Calcium Hypochlorite	R	R	Dichlorobenzene	N	N	Lead Acetate	R	R	Palm Oil	C	C	Soaps	R	R
Ammonium Fluoride	R	R	Calcium Nitrate	R	R	Dichloroethylene	N	N	Lead Chloride	R	R	Paraffin	R	–	Sodium Acetate	R	R
Ammonium Hydroxide	N	N	Calcium Oxide	R	R	Diethylamine	N	N	Lead Nitrate	R	R	Peanut Oil	C	C	Sodium Aluminate	R	R
Ammonium Metaphosphate	R	R	Calcium Sulfate	R	R	Diethyl Ether	N	N	Lead Sulfate	R	R	Pechloric Acid, 10%	R	–	Sodium Arsenate	R	–
Ammonium Nitrate	R	R	Cane Sugar Liquors	R	R	Dill Oil	N	N	Lemon Oil	N	N	Phenylhydrazine	N	N	Sodium Benzoate	R	R
Ammonium Persulfate	R	–	Caprolactam	N	N	Dimethylformamide	N	N	Limonene	N	N	Phosphoric Acid	R	R	Sodium Bicarbonate	R	R
Ammonium Phosphate	R	C	Caprolactone	N	N	Disodium Phosphate	R	R	Linseed Oil	C	C	Phosphorus trichloride	N	N	Sodium Bichromate	R	R
Ammonium Sulfamate	R	R	Carbitol	N	N	Distilled Water	R	R	Lithium Chloride	R	R	Picric Acid	N	N	Sodium Bisulfate	R	R
Ammonium Sulfate	R	R	Carbon Dioxide	R	R	EDTA, Tetrasodium-	R	R	Lithium Sulfate	R	R	Pine Oil	N	N	Sodium Bisulfite	R	R
Ammonium Sulfide	R	R	Carbon Disulfide	N	N	Esters	N	N	Lubricating Oil, ASTM 1,2,3	R	–	Plating Solutions	R	R	Sodium Borate	R	R
Ammonium Thiocyanate	R	R	Carbon Monoxide	R	R	Ethanol, up to 5%	R	R	Magnesium Carbonate	R	R	Polyethylene Glycol	N	N	Sodium Bromide	R	R
Ammonium Tartrate	R	R	Carbon Tetrachloride	N	N	Ethanol, greater than 5%	C	C	Magnesium Chloride	R	R	Potash	R	R	Sodium Carbonate	R	R
Amyl Acetate	N	N	Carbonic Acid	R	R	Ethers	N	N	Magnesium Citrate	R	R	Potassium Acetate	R	R	Sodium Chlorate	R	R
Amyl Alcohol	C	C	Castor Oil	C	C	Ethyl Acetate	N	N	Magnesium Fluoride	R	R	Potassium Bicarbonate	R	R	Sodium Chloride	R	R
Amyl Chloride	N	N	Caustic Potash	R	R	Ethyl Acrylate	N	N	Magnesium Hydroxide	R	R	Potassium Bichromate	R	R	Sodium Chlorite	R	R
Aniline	N	N	Caustic Soda	R	R	Ethyl Benzene	N	N	Magnesium Salts, inorganic	R	R	Potassium Bisulfate	R	R	Sodium Chromate	R	R
Antimony Trichloride	R	R	Cellosolve, all types	N	N	Ethyl Chloride	N	N	Magnesium Nitrate	R	R	Potassium Borate	R	R	Sodium Cyanide	R	R
Aqua Regia	R	N	Chloric Acid	R	R	Ethyl Ether	N	N	Magnesium Oxide	R	R	Potassium Bromate	R	R	Sodium Dichromate	R	R
Aromatic Hydrocarbons	N	N	Chlorinated Solvents	N	N	Ethylene Bromide	N	N	Magnesium Sulfate	R	R	Potassium Bromide	R	R	Sodium Ferricyanide	R	R
Arsenic Acid	R	R	Chlorinated water,	N	N	Ethylene Chloride	N	N	Maleic Acid, 50%	R	R	Potassium Carbonate	R	R	Sodium Ferrocyanide	R	R
Barium Carbonate	R	R	(hypochlorite)	R	R	Ethylene Diamine	N	N	Manganese Sulfate	R	R	Potassium Chlorate	R	R	Sodium Fluoride	R	R
Barium Chloride	R	R	Chlorine, dry gas	N	N	Ethylene Glycol, up to 50%	R	R	Mercuric Chloride	R	R	Potassium Chloride	R	R	Sodium Formate	R	R
Barium Hydroxide	R	R	Chlorine, liquid	N	N	Ethylene Glycol, greater than 50%	C	C	Mercuric Cyanide	R	R	Potassium Chromate	R	R	Sodium Hydroxide	R	R
Barium Nitrate	R	R	Chlorine, trace in air	R	R	Ethylene Oxide	N	N	Mercuric Sulfate	R	R	Potassium Cyanate	R	R	Sodium Hypobromite	R	R
Barium Sulfate	R	R	Chlorine, wet gas	N	N	Ferric Chloride	R	R	Mercurous Nitrate	R	R	Potassium Cyanide	R	R	Sodium Hypochlorite	R	R
Barium Sulfide	R	R	Chlorine dioxide,	R	–	Ferric Hydroxide	R	R	Mercury	R	R	Potassium Dichromate	R	R	Sodium Iodide	R	R
Beer	R	R	aqueous, sat'd (0.1%)	R	–	Ferric Nitrate	R	R	Methane Sulfonic Acid	R	R	Potassium Ferricyanide	R	R			
Beet Sugar Liquors	R	R	Chlorine water, sat'd (0.3%)	R	R	Ferric Sulfate	R	R	Methanol, up to 10%	R	R	Potassium Ferrocyanide	R	R			
Benzaldehyde	N	N	Chlorobenzene	N	N	Ferrous Chloride	R	R	Methanol, greater than 10%	C	C	Potassium Fluoride	R	R			
Benzene	N	N	Chloroform	N	N				Methanol, pure	N	N	Potassium Hydroxide	R	R			

R-Recommended

N-Not recommended

C-Caution, further testing suggested

– Incomplete Data

N.B. Give percentages are by weight