

# CPVC Chemical Compatibility & Resistance Chart

## Explanation of Footnotes

1. Satisfactory to 72°F (22°C)
2. Satisfactory to 120°F (48°C)

## Ratings -- Chemical Effect

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

Chemical	Compatibility
Acetaldehyde	D-Severe Effect
Acetate Solvent	C-Fair
Acetic Acid	C-Fair
Acetic Acid 20%	A-Excellent
Acetic Acid 80%	C-Fair
Acetic Acid, Glacial	B <sup>1</sup> -Good
Acetic Anhydride	D-Severe Effect
Acetone	D-Severe Effect
Acetyl Chloride (dry)	C-Fair
Acetylene	C-Fair
Acrylonitrile	A-Excellent
Adipic Acid	A <sup>2</sup> -Excellent
Alcohols: Amyl	A <sup>2</sup> -Excellent
Alcohols: Benzyl	A-Excellent
Alcohols: Butyl	A <sup>2</sup> -Excellent
Alcohols: Ethyl	B-Good
Alcohols: Isopropyl	C-Fair
Alcohols: Methyl	A-Excellent
Alcohols: Octyl	B <sup>1</sup> -Good
Alcohols: Propyl	A <sup>2</sup> -Excellent
Allyl Chloride	D-Severe Effect
Aluminum Acetate (saturated)	A-Excellent
Aluminum Chloride	A-Excellent
Aluminum Chloride 20%	A-Excellent
Aluminum Fluoride	A-Excellent
Aluminum Hydroxide	A-Excellent
Aluminum Nitrate	A-Excellent
Aluminum Potassium Sulfate 10%	B-Good
Aluminum Potassium Sulfate 100%	B-Good
Aluminum Sulfate	A <sup>2</sup> -Excellent
Alums	A-Excellent
Amines	D-Severe Effect
Ammonia 10%	A-Excellent

Ammonia Nitrate	B-Good
Ammonia, anhydrous	A <sup>1</sup> -Excellent
Ammonia, liquid	A-Excellent
Ammonium Acetate	A-Excellent
Ammonium Bifluoride	A-Excellent
Ammonium Carbonate	A-Excellent
Ammonium Chloride	A <sup>2</sup> -Excellent
Ammonium Fluoride 25%	A-Excellent
Ammonium Hydroxide	A-Excellent
Ammonium Nitrate	A <sup>2</sup> -Excellent
Ammonium Persulfate	A-Excellent
Ammonium Phosphate, Dibasic	A-Excellent
Ammonium Phosphate, Monobasic	A-Excellent
Ammonium Phosphate, Tribasic	A-Excellent
Ammonium Sulfate	A-Excellent
Ammonium Sulfite	A-Excellent
Amyl Acetate	D-Severe Effect
Amyl Alcohol	A <sup>2</sup> -Excellent
Amyl Chloride	C-Fair
Aniline	B <sup>2</sup> -Good
Aniline Hydrochloride	D-Severe Effect
Antifreeze (glycol-based)	B-Good
Antimony Trichloride	A <sup>2</sup> -Excellent
Aqua Regia (80% HCl, 20% HNO <sub>3</sub> )	C <sup>1</sup> -Fair
Aromatic Hydrocarbons	D-Severe Effect
Arsenic Acid	A <sup>1</sup> -Excellent
Asphalt	A <sup>2</sup> -Excellent
Barium Carbonate	A <sup>2</sup> -Excellent
Barium Chloride	A <sup>1</sup> -Excellent
Barium Cyanide	D-Severe Effect
Barium Hydroxide	A <sup>2</sup> -Excellent
Barium Nitrate	A-Excellent
Barium Sulfate	B <sup>1</sup> -Good
Barium Sulfide	A <sup>2</sup> -Excellent
Beer	A <sup>2</sup> -Excellent
Beet Sugar Liquids	A <sup>2</sup> -Excellent
Benzaldehyde	D-Severe Effect
Benzene	D-Severe Effect
Benzene Sulfonic Acid	D-Severe Effect
Benzoic Acid	A <sup>1</sup> -Excellent
Bleach	A-Excellent
Borax (Sodium Borate)	A-Excellent
Boric Acid	A-Excellent
Bromine	D-Severe Effect
Butadiene	A <sup>1</sup> -Excellent
Butane	C <sup>1</sup> -Fair
Butanol (Butyl Alcohol)	A-Excellent

Buttermilk	A <sup>1</sup> -Excellent
Butyl Ether	D-Severe Effect
Butyl Phthalate	D-Severe Effect
Butylacetate	C <sup>1</sup> -Fair
Butylene	A-Excellent
Butyric Acid	D-Severe Effect
Calcium Bisulfide	A <sup>1</sup> -Excellent
Calcium Bisulfite	A <sup>1</sup> -Excellent
Calcium Carbonate	A-Excellent
Calcium Chlorate	A <sup>1</sup> -Excellent
Calcium Chloride (30% in water)	A <sup>2</sup> -Excellent
Calcium Chloride (saturated)	A-Excellent
Calcium Hydroxide	A <sup>2</sup> -Excellent
Calcium Hydroxide (saturated)	A-Excellent
Calcium Hydroxide 10%	A-Excellent
Calcium Hypochlorite	B <sup>1</sup> -Good
Calcium Hypochlorite (saturated)	A-Excellent
Calcium Hypochlorite 30%	A-Excellent
Calcium Nitrate	A <sup>2</sup> -Excellent
Calcium Oxide	A-Excellent
Calcium Sulfate	A <sup>2</sup> -Excellent
Calcium Sulfide	A-Excellent
Cane Juice	A <sup>2</sup> -Excellent
Carbolic Acid (Phenol)	B <sup>1</sup> -Good
Carbon Bisulfide	D-Severe Effect
Carbon Dioxide (dry)	A-Excellent
Carbon Dioxide (wet)	A-Excellent
Carbon Disulfide	D-Severe Effect
Carbon Monoxide	A <sup>2</sup> -Excellent
Carbon Tetrachloride	D-Severe Effect
Carbon Tetrachloride (wet)	D-Severe Effect
Carbonated Water	A-Excellent
Carbonic Acid	A-Excellent
Catsup	A-Excellent
Cellulose Acetate	D-Severe Effect
Chloral Hydrate	A-Excellent
Chloric Acid	A-Excellent
Chlorine (dry)	D-Severe Effect
Chlorine Water	A <sup>2</sup> -Excellent
Chlorine, Anhydrous Liquid	D-Severe Effect
Chloroacetic Acid	D-Severe Effect
Chlorobenzene (Mono)	D-Severe Effect
Chloroform	D-Severe Effect
Chlorosulfonic Acid	D-Severe Effect
Chromic Acid 10%	A <sup>2</sup> -Excellent
Chromic Acid 30%	A <sup>1</sup> -Excellent
Chromic Acid 5%	A-Excellent

Chromic Acid 50%	D-Severe Effect
Citric Acid	B <sup>2</sup> -Good
Coffee	A-Excellent
Copper Chloride	A-Excellent
Copper Cyanide	A-Excellent
Copper Fluoborate	A <sup>1</sup> -Excellent
Copper Nitrate	A-Excellent
Copper Sulfate >5%	A-Excellent
Copper Sulfate 5%	A-Excellent
Cream	A-Excellent
Creosote	A-Excellent
Cresols	D-Severe Effect
Cresylic Acid	D-Severe Effect
Cyclohexane	D-Severe Effect
Cyclohexanone	D-Severe Effect
Detergents	A-Excellent
Dextrin	A-Excellent
Dextrose	A-Excellent
Diacetone Alcohol	D-Severe Effect
Dichlorobenzene	D-Severe Effect
Dichloroethane	D-Severe Effect
Diesel Fuel	A <sup>1</sup> -Excellent
Diethyl Ether	D-Severe Effect
Diethylamine	D-Severe Effect
Diethylene Glycol	A <sup>1</sup> -Excellent
Dimethyl Aniline	D-Severe Effect
Dimethyl Formamide	D-Severe Effect
Disodium Phosphate	A-Excellent
Epsom Salts (Magnesium Sulfate)	A <sup>1</sup> -Excellent
Ethane	A <sup>1</sup> -Excellent
Ethanol	B-Good
Ether	D-Severe Effect
Ethyl Acetate	D-Severe Effect
Ethyl Benzoate	D-Severe Effect
Ethyl Chloride	D-Severe Effect
Ethyl Ether	D-Severe Effect
Ethylene Bromide	D-Severe Effect
Ethylene Chloride	D-Severe Effect
Ethylene Chlorohydrin	D-Severe Effect
Ethylene Diamine	D-Severe Effect
Ethylene Dichloride	D-Severe Effect
Ethylene Glycol	A-Excellent
Ethylene Oxide	C <sup>1</sup> -Fair
Fatty Acids	A-Excellent
Ferric Chloride	A-Excellent
Ferric Nitrate	A-Excellent
Ferric Sulfate	A-Excellent

Ferrous Chloride	A-Excellent
Ferrous Sulfate	A-Excellent
Fluoboric Acid	A <sup>2</sup> -Excellent
Fluorine	D-Severe Effect
Fluosilicic Acid	A-Excellent
Formaldehyde 100%	A-Excellent
Formaldehyde 40%	A <sup>2</sup> -Excellent
Formic Acid	A <sup>2</sup> -Excellent
Freon® 11	A <sup>2</sup> -Excellent
Freon® 113	B-Good
Freon® 12	A <sup>2</sup> -Excellent
Freon® 22	B-Good
Freon® TF	B-Good
Fruit Juice	A-Excellent
Furfural	D-Severe Effect
Gallic Acid	C-Fair
Gasoline (high-aromatic)	C <sup>1</sup> -Fair
Gasoline, unleaded	C-Fair
Gelatin	A <sup>2</sup> -Excellent
Glucose	A <sup>2</sup> -Excellent
Glue, P.V.A.	A-Excellent
Glycerin	A-Excellent
Glycolic Acid	A-Excellent
Grape Juice	A-Excellent
Heptane	A-Excellent
Hexane	B <sup>1</sup> -Good
Hydrazine	D-Severe Effect
Hydrobromic Acid 100%	A <sup>2</sup> -Excellent
Hydrobromic Acid 20%	A-Excellent
Hydrochloric Acid 100%	A-Excellent
Hydrochloric Acid 20%	A <sup>2</sup> -Excellent
Hydrochloric Acid 37%	A <sup>2</sup> -Excellent
Hydrochloric Acid, Dry Gas	A-Excellent
Hydrocyanic Acid	A-Excellent
Hydrocyanic Acid (Gas 10%)	A-Excellent
Hydrofluoric Acid 100%	C <sup>1</sup> -Fair
Hydrofluoric Acid 20%	C <sup>1</sup> -Fair
Hydrofluoric Acid 50%	C <sup>1</sup> -Fair
Hydrofluoric Acid 75%	C <sup>1</sup> -Fair
Hydrofluosilicic Acid 20%	A-Excellent
Hydrogen Gas	A <sup>2</sup> -Excellent
Hydrogen Peroxide 10%	A-Excellent
Hydrogen Peroxide 100%	A-Excellent
Hydrogen Peroxide 30%	A-Excellent
Hydrogen Peroxide 50%	A-Excellent
Hydrogen Sulfide (aqua)	A-Excellent
Hydrogen Sulfide (dry)	A-Excellent

Hydroquinone	A-Excellent
Hydroxyacetic Acid 70%	A-Excellent
Iodine	D-Severe Effect
Lactic Acid	A <sup>1</sup> -Excellent
Lead Acetate	A <sup>2</sup> -Excellent
Lead Nitrate	A <sup>2</sup> -Excellent
Linoleic Acid	A <sup>2</sup> -Excellent
Lithium Chloride	A <sup>2</sup> -Excellent
Lye: Ca(OH) <sub>2</sub> Calcium Hydroxide	A <sup>2</sup> -Excellent
Lye: KOH Potassium Hydroxide	A-Excellent
Lye: NaOH Sodium Hydroxide	A-Excellent
Magnesium Carbonate	A <sup>2</sup> -Excellent
Magnesium Chloride	A-Excellent
Magnesium Hydroxide	A-Excellent
Magnesium Nitrate	A-Excellent
Magnesium Sulfate (Epsom Salts)	A <sup>1</sup> -Excellent
Maleic Acid	A-Excellent
Manganese Sulfate	A-Excellent
Melamine	A <sup>2</sup> -Excellent
Mercuric Chloride (dilute)	A-Excellent
Mercuric Cyanide	A-Excellent
Mercurous Nitrate	A <sup>2</sup> -Excellent
Mercury	A-Excellent
Methanol (Methyl Alcohol)	A-Excellent
Methyl Alcohol 10%	A-Excellent
Methyl Bromide	D-Severe Effect
Methyl Cellosolve	D-Severe Effect
Methyl Chloride	D-Severe Effect
Methyl Ethyl Ketone	D-Severe Effect
Methyl Isobutyl Ketone	D-Severe Effect
Methylene Chloride	D-Severe Effect
Milk	A-Excellent
Mineral Spirits	A-Excellent
Molasses	A-Excellent
Motor Oil	A-Excellent
Mustard	A-Excellent
Naphtha	A-Excellent
Naphthalene	D-Severe Effect
Nickel Chloride	A-Excellent
Nickel Nitrate	A <sup>2</sup> -Excellent
Nickel Sulfate	A-Excellent
Nitric Acid (20%)	A <sup>2</sup> -Excellent
Nitric Acid (5 to10%)	A-Excellent
Nitric Acid (50%)	B <sup>1</sup> -Good
Nitric Acid (Concentrated)	D-Severe Effect
Nitrobenzene	D-Severe Effect
Nitrous Acid	A-Excellent

Oils: Castor	C-Fair
Oils: Coconut	A <sup>1</sup> -Excellent
Oils: Cod Liver	A <sup>1</sup> -Excellent
Oils: Cottonseed	A-Excellent
Oils: Crude Oil	A-Excellent
Oils: Linseed	C-Fair
Oils: Mineral	A-Excellent
Oils: Olive	C-Fair
Oils: Palm	A-Excellent
Oils: Peanut	C-Fair
Oils: Pine	A-Excellent
Oils: Rapeseed	A-Excellent
Oils: Sesame Seed	A-Excellent
Oils: Silicone	A-Excellent
Oils: Soybean	A <sup>2</sup> -Excellent
Oils: Sperm (whale)	A-Excellent
Oils: Transformer	A-Excellent
Oils: Turbine	A-Excellent
Oleic Acid	A-Excellent
Oleum 100%	D-Severe Effect
Oleum 25%	D-Severe Effect
Oxalic Acid (cold)	A-Excellent
Ozone	A-Excellent
Palmitic Acid	A <sup>1</sup> -Excellent
Paraffin	A-Excellent
Perchloric Acid	A <sup>1</sup> -Excellent
Perchloroethylene	C <sup>1</sup> -Fair
Petroleum	A <sup>2</sup> -Excellent
Phenol (10%)	A <sup>1</sup> -Excellent
Phenol (Carbolic Acid)	B <sup>1</sup> -Good
Phosphoric Acid (<40%)	A-Excellent
Phosphoric Acid (>40%)	A-Excellent
Phosphorus	B <sup>1</sup> -Good
Phosphorus Trichloride	D-Severe Effect
Photographic Developer	A-Excellent
Photographic Solutions	A-Excellent
Phthalic Acid	B-Good
Phthalic Anhydride	D-Severe Effect
Picric Acid	D-Severe Effect
Plating Solutions: Antimony Plating 130°F	A-Excellent
Plating Solutions: Arsenic Plating 110°F	A-Excellent
Plating Solutions: Brass: High-Speed Brass Bath 110°F	A-Excellent
Plating Solutions: Brass: Regular Brass Bath 100°F	A-Excellent
Plating Solutions: Bronze: Cu-Cd Bronze Bath R.T.	A-Excellent
Plating Solutions: Bronze: Cu-Sn Bronze Bath 160°F	D-Severe Effect
Plating Solutions: Bronze: Cu-Zn Bronze Bath 100°F	A-Excellent
Plating Solutions: Cadmium: Cyanide Bath 90°F	A-Excellent

Plating Solutions: Cadmium: Fluoborate Bath 100°F	A-Excellent
Plating Solutions: Chromium: Barrel Chrome Bath 95°F	A-Excellent
Plating Solutions: Chromium: Black Chrome Bath 115°F	A-Excellent
Plating Solutions: Chromium: Chromic-Sulfuric Bath 130°F	A-Excellent
Plating Solutions: Chromium: Fluoride Bath 130°F	A-Excellent
Plating Solutions: Chromium: Fluosilicate Bath 95°F	A-Excellent
Plating Solutions: Copper (Acid): Copper Fluoborate Bath 120°F	A-Excellent
Plating Solutions: Copper (Acid): Copper Sulfate Bath R.T.	A-Excellent
Plating Solutions: Copper (Cyanide): Copper Strike Bath 120°F	A-Excellent
Plating Solutions: Copper (Cyanide): High-Speed Bath 180°F	D-Severe Effect
Plating Solutions: Copper (Cyanide): Rochelle Salt Bath 150°F	D-Severe Effect
Plating Solutions: Copper (Misc): Copper (Electroless)	A-Excellent
Plating Solutions: Copper (Misc): Copper Pyrophosphate	A-Excellent
Plating Solutions: Gold: Acid 75°F	A-Excellent
Plating Solutions: Gold: Cyanide 150°F	D-Severe Effect
Plating Solutions: Gold: Indium Sulfamate Plating R.T.	A-Excellent
Plating Solutions: Gold: Neutral 75°F	A-Excellent
Plating Solutions: Iron: Ferrous Am Sulfate Bath 150°F	D-Severe Effect
Plating Solutions: Iron: Ferrous Chloride Bath 190°F	D-Severe Effect
Plating Solutions: Iron: Ferrous Sulfate Bath 150°F	D-Severe Effect
Plating Solutions: Iron: Fluoborate Bath 145°F	D-Severe Effect
Plating Solutions: Iron: Sulfamate 140°F	A-Excellent
Plating Solutions: Iron: Sulfate-Chloride Bath 160°F	D-Severe Effect
Plating Solutions: Lead Fluoborate Plating	A-Excellent
Plating Solutions: Nickel: Electroless 200°F	D-Severe Effect
Plating Solutions: Nickel: Fluoborate 100-170°F	A-Excellent
Plating Solutions: Nickel: High-Chloride 130-160°F	D-Severe Effect
Plating Solutions: Nickel: Sulfamate 100-140°F	A-Excellent
Plating Solutions: Nickel: Watts Type 115-160°F	D-Severe Effect
Plating Solutions: Rhodium Plating 120°F	A-Excellent
Plating Solutions: Silver Plating 80-120°F	A-Excellent
Plating Solutions: Tin-Fluoborate Plating 100°F	A-Excellent
Plating Solutions: Tin-Lead Plating 100°F	A-Excellent
Plating Solutions: Zinc: Acid Chloride 140°F	A-Excellent
Plating Solutions: Zinc: Acid Fluoborate Bath R.T.	A-Excellent
Plating Solutions: Zinc: Acid Sulfate Bath 150°F	D-Severe Effect
Plating Solutions: Zinc: Alkaline Cyanide Bath R.T.	A-Excellent
Potash (Potassium Carbonate)	A-Excellent
Potassium Bicarbonate	A-Excellent
Potassium Bromide	A-Excellent
Potassium Chlorate	A-Excellent
Potassium Chloride	A-Excellent
Potassium Chromate	A-Excellent
Potassium Cyanide Solutions	A-Excellent
Potassium Dichromate	A-Excellent
Potassium Ferricyanide	A-Excellent
Potassium Ferrocyanide	B-Good



Potassium Hydroxide (Caustic Potash)	A-Excellent
Potassium Iodide	A-Excellent
Potassium Nitrate	A-Excellent
Potassium Permanganate	A <sup>1</sup> -Excellent
Potassium Sulfate	A-Excellent
Potassium Sulfide	A <sup>2</sup> -Excellent
Propane (liquefied)	A <sup>1</sup> -Excellent
Propylene Glycol	C <sup>1</sup> -Fair
Pyridine	D-Severe Effect
Pyrogallic Acid	A-Excellent
Rosins	C <sup>1</sup> -Fair
Rum	A-Excellent
Salt Brine (NaCl saturated)	A <sup>2</sup> -Excellent
Sea Water	A-Excellent
Silicone	A-Excellent
Silver Nitrate	A <sup>1</sup> -Excellent
Soap Solutions	A-Excellent
Soda Ash (see Sodium Carbonate)	A-Excellent
Sodium Acetate	A-Excellent
Sodium Benzoate	A <sup>2</sup> -Excellent
Sodium Bicarbonate	A <sup>2</sup> -Excellent
Sodium Bisulfate	A <sup>2</sup> -Excellent
Sodium Bisulfite	A <sup>2</sup> -Excellent
Sodium Borate (Borax)	A <sup>2</sup> -Excellent
Sodium Bromide	A <sup>2</sup> -Excellent
Sodium Carbonate	A <sup>2</sup> -Excellent
Sodium Chlorate	A <sup>1</sup> -Excellent
Sodium Chloride	A <sup>2</sup> -Excellent
Sodium Cyanide	A <sup>2</sup> -Excellent
Sodium Ferrocyanide	A-Excellent
Sodium Fluoride	A <sup>2</sup> -Excellent
Sodium Hydrosulfite	C-Fair
Sodium Hydroxide (20%)	A-Excellent
Sodium Hydroxide (50%)	A-Excellent
Sodium Hydroxide (80%)	A-Excellent
Sodium Hypochlorite (<20%)	A-Excellent
Sodium Hypochlorite (100%)	C <sup>2</sup> -Fair
Sodium Metaphosphate	A <sup>1</sup> -Excellent
Sodium Metasilicate	A-Excellent
Sodium Nitrate	A-Excellent
Sodium Perborate	A <sup>1</sup> -Excellent
Sodium Peroxide	A <sup>2</sup> -Excellent
Sodium Polyphosphate	A <sup>1</sup> -Excellent
Sodium Silicate	A <sup>2</sup> -Excellent
Sodium Sulfate	A <sup>2</sup> -Excellent
Sodium Sulfide	A <sup>2</sup> -Excellent
Sodium Sulfite	A <sup>2</sup> -Excellent

Sodium Tetraborate	A-Excellent
Sodium Thiosulfate (hypo)	A <sup>2</sup> -Excellent
Stannic Chloride	A <sup>2</sup> -Excellent
Stannous Chloride	A <sup>2</sup> -Excellent
Starch	A-Excellent
Stearic Acid	B <sup>2</sup> -Good
Stoddard Solvent	C <sup>1</sup> -Fair
Styrene	D-Severe Effect
Sulfate (Liquors)	B-Good
Sulfur Chloride	C <sup>1</sup> -Fair
Sulfur Dioxide	A <sup>2</sup> -Excellent
Sulfur Dioxide (dry)	A <sup>2</sup> -Excellent
Sulfur Trioxide	A-Excellent
Sulfur Trioxide (dry)	A-Excellent
Sulfuric Acid (<10%)	A-Excellent
Sulfuric Acid (10-75%)	A-Excellent
Sulfuric Acid (75-100%)	C-Fair
Sulfuric Acid (cold concentrated)	D-Severe Effect
Sulfuric Acid (hot concentrated)	D-Severe Effect
Sulfurous Acid	A <sup>2</sup> -Excellent
Tannic Acid	A <sup>1</sup> -Excellent
Tanning Liquors	A <sup>1</sup> -Excellent
Tartaric Acid	A <sup>1</sup> -Excellent
Tetrachloroethane	C-Fair
Tetrachloroethylene	D-Severe Effect
Tetrahydrofuran	D-Severe Effect
Toluene (Toluol)	D-Severe Effect
Trichloroethylene	D-Severe Effect
Tricresylphosphate	D-Severe Effect
Triethylamine	A-Excellent
Trisodium Phosphate	A-Excellent
Turpentine	A-Excellent
Urea	A-Excellent
Urine	A-Excellent
Vinegar	A-Excellent
Vinyl Acetate	D-Severe Effect
Vinyl Chloride	D-Severe Effect
Water, Acid, Mine	A-Excellent
Water, Deionized	A-Excellent
Water, Distilled	A-Excellent
Water, Fresh	A-Excellent
Water, Salt	A-Excellent
Whiskey and Wines	A <sup>2</sup> -Excellent
White Liquor (Pulp Mill)	A-Excellent
Xylene	D-Severe Effect
Zinc Chloride	A-Excellent
Zinc Sulfate	A-Excellent

## WARNING

The information in this chart has been supplied by reputable sources and is to be used **ONLY** as a guide in selecting equipment for appropriate chemical compatibility. Before permanent installation, test the equipment with the chemicals and under the specific conditions of your application.

Ratings of chemical behavior listed in this chart apply at a 48-hr exposure period. There exists no specific knowledge of possible effects beyond this period. There exists no warranty (neither express nor implied) that the information in this chart is accurate or complete or that any material is suitable for any purpose.

## DANGER

Variations in chemical behavior during handling due to factors such as temperature, pressure, and concentrations can cause equipment to fail, even though it passed an initial test.

## SERIOUS INJURY MAY RESULT

Use suitable guards and/or personal protections when handling chemicals.

*Last Modified December 9, 2015*