

Chemical Compatibility

	PVC	Silicone	Viton		PVC	Silicone	Viton		PVC	Silicone	Viton
Acetaldehyde	3	1	3	Copper salts	1	1	1	Nitrobenzene	3	1	2
Acetates	3	n/a	n/a	Cresol	3	1	1	Nitrogen oxides	1	3	3
Acetic acid >5%	2	2	1	Cyclohexane	2	3	1	Nitrous acid	1	n/a	n/a
Acetic acids < 5%	1	1	1	Cyclohexanone	3	3	3	Oils, vegetable	2	3	1
Acetic Anhydride	3	3	3	Essential Oils	2	n/a	n/a	Oils, mineral	1	3	1
Acetone	3	2	3	Ethers	3	3	3	Oleic acid	3	3	3
Acetonitrile	3	n/a	3	Ethyl acetate	3	3	3	Oxalic acid	1	2	1
Acetyl bromide	3	3	3	Ethyl bromide	3	3	1	Oxygen (gas)	1	2	2
Acetyl chloride	3	3	3	Ethyl chloride	3	3	1	Perchloric acid	3	3	1
Air	1	1	1	Ethylene chlorohydrin	2	2	3	Phenol	2	3	1
Alcohols	2	3	3	Ethylene glycol	2	1	1	Phosphoric acid (50%)	1	3	1
Aliphatic hydrocarbons	2	2	2	Fatty acids	1	3	1	Phthalic acid	1	n/a	n/a
Aluminum chloride	1	3	1	Ferric & ferric salts	2	3	1	Plating solutions	1	3	1
Aluminum sulfate	n/a	1	1	Ferric chloride	1	2	1	Potassium hydroxide (med)	1	2	2
Alums	1	1	1	Ferric sulfate	1	2	1	Potassium hydroxide (conc.)	1	3	2
Ammonia (gas-liquid)	2	2	3	Ferrous chloride	1	n/a	n/a	Potassium iodide	1	1	1
Ammonium acetate	1	1	3	Ferrous sulfate	1	2	1	Potassium salts	1	1	1
Ammonium carbonate	n/a	2	n/a	Fluoborate salts	1	n/a	n/a	Pyridine	3	3	3
Ammonium chloride	1	2	1	Fluoboric acid	1	n/a	n/a	Silver nitrate	1	1	1
Ammonium hydroxide	2	1	2	Fluosilicic acid	1	n/a	1	Soap solutions	1	1	1
Ammonium nitrate	1	1	1	Formaldehyde	2	2	2	Sodium bicarbonate	1	1	1
Ammonium phosphate	1	1	1	Formic acid	2	3	3	Sodium bisulfite	n/a	1	1
Ammonium salts	1	1	3	Freon	3	3	3	Sodium borate	n/a	1	1
Ammonium sulfate	1	1	1	Glucose	1	1	1	Sodium carbonate	n/a	1	1
Amyl acetate	3	3	3	Glycerine	2	2	3	Sodium chloride	1	2	1
Amyl alcohol	2	3	3	Hydriodic acid	1	n/a	n/a	Sodium hydroxide (dil.)	1	2	1
Amyl chloride	2	3	2	Hydro-bromic acid	1	3	1	Sodium hydroxide, 25%	1	3	2
Aniline	3	3	3	Hydrochloric acid	1	1	1	Sodium hydroxide (conc.)	1	2	2
Aniline hydrochloride	3	3	3	Hydrochloric acid (dil.)	1	3	1	Sodium hypochlorite <5%	2	2	1
Antimony salts	1	1	1	Hydrochloric acid (conc.)	1	3	1	Sodium hypochlorite >5%	2	2	2
Aqua regia	3	3	3	Hydrocyanic acid	1	3	1	Sodium salts	1	1	1
Arsenic salts	1	1	1	Hydrofluoric acid	2	3	1	Stearic acid	1	2	1
Barium salts	1	1	1	Hydrogen peroxide (dil.)	1	3	1	Sulfur chloride	2	3	1
Benzaldehyde	3	3	3	Hydrogen sulfide	1	3	3	Sulfur dioxide	2	2	2
Benzene	2	3	2	Hydrochlorous acid	1	1	1	Sulfur trioxide	2	3	1
Benzenesulfonic acid	2	3	2	Iodine and solutions	1	3	2	Sulfuric acid (dil.)	1	3	1
Benzoic acid	1	2	1	Ketones	3	n/a	n/a	Sulfuric acid (med.conc.)	1	3	1
Benzyl alcohol	2	2	1	Lacquer solvents	3	3	n/a	Sulfuric acid (conc.)	3	3	2
Bleaching liquors	2	3	1	Lactic acid	1	1	1	Sulfurous acid	1	3	1
Boric acid	1	1	1	Lead acetate	n/a	3	n/a	Tannic acid	1	3	1
Bromine l	1	3	1	Lead salts	1	3	1	Tanning extracts	1	n/a	n/a
Butane	2	3	1	Lead oil	3	3	3	Tartaric acid	1	1	1
Butanol	2	3	1	Linseed oil	1	1	1	Tin salts	1	n/a	1
Butyric acid	2	3	n/a	Magnesium chloride	1	1	1	Titanium salts	1	3	1
Calcium oxide	n/a	1	n/a	Magnesium sulfate	n/a	1	1	Toluol	3	3	3
Calcium salts	1	2	1	Malic acid	1	2	1	Tri-sodium phosphate	1	1	1
Carbon dioxide	1	2	3	Manganese salts	1	1	1	Trichloroacetic acid	2	3	3
Carbon bisulfide	3	n/a	1	Mercury salts	1	1	1	Turpentine	2	3	1
Carbon tetrachloride	3	3	1	Methanol	1	1	3	Urea	1	1	3
Chlorine (dry)	1	3	1	Methyl chloride	3	3	1	Uric acid	1	1	1
Chlorine (wet)	2	3	1	Mixed acid	2	3	1	Water, fresh	1	1	1
Chloroacetic acid	3	3	3	(40% sulfuric, 15% nitric)	2	3	1	Water, salt	1	1	1
Chlorobenzene	3	3	1	Naphtha	1	1	1	Xylene	3	3	1
Chloroform	3	3	1	Natural gas	1	1	1	Zinc chloride	1	3	1
Chlorosulfonic acid	2	3	3	Nickle salts	1	1	1				
Chromic acid	1	3	1	Nitric acid (dil.)	1	2	1				
Chromium salts	1	n/a	n/a	Nitric acid (med.conc.)	1	3	1				
				Nitric acid (conc.)	2	3	2				

The information in this chart is to be used only as a general guideline.

Performances may vary because of the many factors that can affect the chemical resistance of a given product.

Elkay Products does not warrant (either implied or expressed) that the information in this table is accurate or complete or that any material is suitable for the stated use.

Code 1	Recommended
Code 2	Acceptable but evaluation under specific operating conditions advisable
Code 3	Not recommended