

## Chemical Resistance Chart - PVC

Warning! The following data is based on tests and believed to be reliable; however the tabulation should be used as a guide only, since it does not take into consideration all variables, such as elevated temperatures, fluid contamination, concentration, etc. that may be encountered in actual use. All critical applications should be tested. When in doubt, a sample of the compound should always be tested with the particular chemical it is going to handle.

Note: This partial listing is for general guidance only and no warranty can be extended as exact operating conditions may vary in each case.

Key:

A = Satisfactory	C = Questionable - Suggest Testing	U = Unsatisfactory	Blank = No Data
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Use the Find Text Button or **Ctrl +F** to search for a specific Chemical or Material

Chemical	Concentration by Weight	Temp.	
Acetate Solvents		U	U
Acetic Acid	10%	A	C
Acetic Acid	Glacial	C	U
Acetone		U	U
Acrylonitrile		A	C
Adipic Acid		A	C
Alcohol Butyl		A	C
Alcohol Ethyl		A	C
Alcohol Isopropyl		A	C
Alcohol Methyl		A	C
Aluminum Acetate		A	A
Aluminum Chloride		A	A
Aluminum Hydroxide		A	A
Aluminum Sulfate		A	A
Allyl Chloride			

Chemical	Concentration by Weight	Temp.	
Ammonia	0.88S.G. Aqueous	A	A
Ammonia	Dry Gas	A	A
Ammonia	Liquid	U	U
Ammonium Chloride		A	A
Ammonium Hydroxide		A	A
Animal Oils			
Amyl Acetate		U	U
Aniline Oils			
Aromatic Hydrocarbons		U	U
Asphalt		U	U
ASTM Fuel A		C	C
ASTM Fuel B		U	U
ASTM #1 Oil			
ASTM #3 Oil			
Barium Chloride		A	A

Chemical	Concentration by Weight	Temp.	
Barium Hydroxide		A	A
Barium Sulfide		A	A
Benzene		U	U
Benzine		C	C
Bordaux Mixture		A	A
Borax		A	A
Boric Acid		A	A
Brine		A	A
Bromine Traces		U	U
Butyl Acetate		U	U
Calcium Hydroxide		A	A
Calcium Hypochlorite		A	A
Carbonic Acid		C	U
Carbon Dioxide		A	A
Carbon Disulphite		U	U
Carbon Monoxide		A	A
Carbon Tetrachloride		U	U
Casein		A	C
Chlorine	Dry Gas	A	A
Chlorine	Wet Gas	A	A
Chlorine	Water	U	U
Chlorobenzene		U	U
Chlorinated Hydrocarbons		U	U
Chloroform		U	U
Chromic Acid	10%	A	C
Citric Acid		A	A
Coal Tar		U	U
Copper Chloride		A	A
Copper Nitrate		A	A
Copper Sulphate		A	A
Cottonseed Oil			
Creosote		U	U
Cresol		A	C
Cresylic Acid		U	U
Cyclohexane		A	C
Cyclohexanone		U	U

Chemical	Concentration by Weight	Temp.	
DDT Weed Killer		A	C
Detergent Synthetic		A	A
Developers Photographic		A	A
Dextrin		A	A
Dextrose		A	A
Dibutyl Phthalate		U	U
Dichlorobenzene		U	U
Diesel Oil			
Diethylene Glycol		A	A
Diethyl Ether		U	U
Diocetyl Phthalate		U	U
Emulsifiers		A	A
Emulsions Photographic		A	A
Ethyl Acetate		U	U
Ethylene Dichloride		U	U
Ethylene Glycol		A	A
Fatty Acid		A	A
Ferric Chloride		A	A
Ferric Sulphate		A	A
Ferrous Chloride		A	A
Ferrous Sulphate		A	A
Fixing Solution Photographic		A	A
Nitric Acid	40%	A	C
Nitric Acid	70%	U	U
Nitrobenzene	--	U	U
Nitrogen Fertilizers	--	A	
Oleic Acid	--	A	C
Oxalic Acid	--	A	A
Palmitic Acid	--	A	A
Fluorine		U	U
Formaldehyde	40%	U	U
Formic Acid	40%	A	A
Formic Acid	50%	C	U
Formic Acid	100%	U	U
Fuel Oil			
Glacial Acetic Acid		C	U

Chemical	Conc. by Weight	Temp.	
Glucose		A	A
Glycerine		A	A
Grape Sugar		A	A
Grease			
Heptane		C	U
Hexane		C	U
Hydrobromic Acid		A	A
Hydrochloric Acid	10%	A	A
Hydrochloric Acid	40%	A	U
Hydrofluoric Acid	10%	A	C
Hydrofluoric Acid	40%	A	U
Hydrofluoboric Acid		A	A
Hydrofluosilicic Acid		A	A
Hydrogen Peroxide		A	A
Hydrogen Sulphide		A	A
Iso-Octan		A	C
Isopropyl Acetate		U	U
Kerosene		C	C
Ketones		U	U
Lactic Acid	10%	A	A
Lactic Acid	100%	U	U
Lacquer Solvents	--	C	U
Linseed Oil	--		
Lubricating Oils	--		
Magnesium Chloride	--	A	A
Magnesium Hydroxide	--	A	A
Magnesium Sulphate	--	A	A
Malic Acid	--	A	A
Methyl Acetate	--	U	U
Methyl Bromide	--	U	U
Methyl Ethyl Ketone	--	U	U
Methylene Chloride	--	U	U
Mineral Oils	--		
Monochlorobenzene	--	U	U
Naphtha	--	C	U
Naphthalene	--	U	U
Natural Gas		U	U
Nitric Acid	10%	A	A

Chemical	Conc. by Weight	Temp.	
Paraffin	--	A	A
Pentane	--	C	U
Perchloroethylene	--	U	U
Phenol	--	C	U
Phosphoric Acid	--	A	A
Pitch	--	A	C
Potassium Hydroxide	--	A	A
Propane	--	A	A
Sea Water	--	A	A
Sodium Hydroxide	10%	A	A
Sodium Hydroxide	50%	A	U
Sodium Cyanide	--	A	A
Soybean Oil	--		
Stearic Acid	--	A	A
Styrene	--	U	U
Sulphur Dioxide	Dry	A	A
Sulphur Dioxide	Moist	C	U
Sulphur Dioxide	Liquid	U	U
Sulphuric Acid	45%	A	A
Sulphuric Acid	60%	C	C
Sulphuric Acid	98%	U	U
Sulphurous Acid	30%	A	
Tannic Acid	--	A	A
Tartaric Acid	--	A	A
Tetrahydrofuran	--	U	U
Toluene	--	U	U
Trichlorethylene	--	U	U
Triethanolamine	--	A	A
Tricresyl Phosphate	--	U	U
Turpentine	--	C	U
Urea	--	A	A
Vinegar	--	A	A
Vinyl Acetate	--	U	U
Vinyl Chloride	--	U	U
Water	--	A	A
Xylene	--	U	U
Zinc Chloride	--	A	A
Zinc Sulphate	--	A	A