

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Aluminum Chloride, 20%	A				C	D	D	D	A	A	A	A	B
Aluminum Chloride	A				C	A	A	A	A	A	A	A	B
Aluminum Fluoride	B				C	B	D	B	A	A	A	A	
Aluminum Hydroxide	B		A		C	A	A	B	A	A	A	A	
Alum Potassium Sulfate, 10%	A				B	C	B	C	A	A	A	A	B
Alum Potassium Sulfate, 100%	A				B	C	D	C	A	A	A	A	A
Aluminum salts			A										
Aluminum Sulfate	A				B	B	D	B	A	A	A	A	A
Alums	A				A		A	A	A	A	A	A	C
Amines	A				A	A	A	B	D	D	B	B	B
Amino Acids			A										
Ammonia, 10%	A				A	A	A	A	D	A	A	A	
Ammonia, anhydrous	A				A	A	A	A	D	B	C	A	D
Ammonia, liquid	A		B	A	A	B	B	C	D	C	A	A	
Ammonia Nitrate	A				A	A	A	C	D	C	C	A	
Ammonium Acetate												A	
Ammonium Bifluoride	A					C		B	A	A	A	A	
Ammonium Carbonate	A				B	B	B	B		D	A	A	
Ammonium Casenite	A				A						A		
Ammonium Chloride	A				D	C	C	C	A	B	A	A	
Ammonium Hydroxide	A	D		D	A	A	B	B	B	D	A	A	A
Ammonium Natrate	A				A	A	A	B	A	A	B	A	
Ammonium Oxalate	A				A	A	A			A	A		
Ammonium Persulfate	A				B	A	A	D	A	D	A	A	
Ammonium Phosphate, Dibasic	A				B	B	B	B	A	A	A	A	A

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Ammonium Phosphate, Monobasic	A				C	B	B	B	A	A	A	A	A
Ammonium Phosphate, Tribasic	A				B	B	B	B	A	A	A	A	A
Ammonium Sulfate	A				B	B	B	A	A	A	A	A	A
Ammonium Thiosulfate					A					A	A		
Amyl Acetate	A		A		A	A	B	A	D	D	D	A	D
Amyl Alcohol	D	A	A		A	A		B	B	B	A	A	D
Amyl Chloride	A				A	A	C	A	B		D	D	D
Aniline	C		B		B	A	B	C	C	D	D	B	D
Aniline Hydrochloride					D	D	D	D	A		D	B	D
Anti-freeze	A	A			A			A	A	A	C		
Antimony Trichloride					C	D	D	D	A			B	
Aqua Regia (80%HCl, 20%HNO3)	D		D		D	D		D	B	D	D	C	D
Arochlor 1248	A				B	B		A	A	C	D	B	B
Aromatic Hydrocarbons	A		B		C			A	A	C	D	D	D
Arsenic Acid	A				A	A	B	D	A	A	A	A	A
Asphalt	A				A	B	B	A	A	B	C	D	D
Barium Carbonate	A				B	B	B	D	A	A		A	
Barium Chloride	A				A	A	B	D	A	A	A	A	A
Barium Cyanide	A				A	A		C	A	C	A	A	
Barium Hydroxide	A				B	B	B	D	A	A	A	A	A
Barium Nitrate	A				B	B	B	B	A	A	A	A	
Barium Sulfate	C				B	B	B	B	A	A	A	A	A
Barium Sulfide	B				B	B	B	D	A	A	A	B	A
Beer	A	A		A	A	A	A	A	A	A	A	A	A
Beet Sugar Liquids	A				A	A	B	A	A	A	A	A	A

Chemical Compatibility Chart (cont.)



www.topworx.com

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Benzaldehyde	A				B	B		B	D	D	D	A	D
Benzene	C	B	A	A	B	B	B	B	A	D	D	D	D
Benzene Sulfonic Acid	B				B	B	B	D	A	A	A	D	D
Benzoic Acid	A		D		B	B		B	A	D	D	D	B
Benzol	A				A	A	A	B	A	D	B	B	
Bleaching Liquors			A				B		A			A	B
Borax	A				A	A		B	A	D	C	A	B
Boric Acid	A	A	A	A	A	B	D	D	A	A	A	A	A
Brewery Slop	A				A		A		A	A	A		
Bromine	D	C	D	A	D	D	A	D	A	D	D	D	D
Butadiene	A		A		A	A	A	A	B	D	B	C	D
Butane	A		A		A	A		A	A	A	A	D	D
Butanol	D		A		A	A	A	B	A	A	A	B	B
Butter	A		A		A	C	A	A	A	A	B	A	B
Buttermilk	A		A		A	A	B	A	A	A	A		
Butylene	A				A	A	C	A	A	B	C	D	D
Butylacetate	B		B		A	B		B	D	D	D	B	D
Butyl Ether			A										
Butyl Glycol			A										
Butyric Acid	C		A		B	B		B	B	D	D	B	
Calcium Bisulfate	A				A		D				A		
Calcium Bisulfide	A				B	B	A	C	A		A	C	
Calcium Bisulfite	A				A	B		D	A	A	A	D	A
Calcium Carbonate	A				B	A	C	D	A	A	A	A	A
Calcium Chlorate							C		A	A		A	

Chemical Compatibility Chart (cont.)



www.topworx.com

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Calcium Chloride	A	A	A	D	B	C	D	D	A	C	A	A	A
Calcium Hydroxide	A		A		B	C	B	C	A	A	A	A	A
Calcium Hypochlorite	A		C		B	C		D	A	A	C	B	B
Calcium Oxide	A				B	A		C	A	C	D	A	C
Calcium Sulfate	A				A	B	B	C	A	B	C	A	
Calgon	A				A	A	A		A	A	A	A	
Cane Juice	A				A	A	A	B	A	A	A	A	A
Carbolic Acid	C				B	B	A	B	A	A	C	B	D
Carbon Bisulfide	A				B	A	A	B	A	D	D	D	
Carbon Dioxide	A				A	A	B	B	B	C	B	B	B
Carbon Dioxide (dry)	A				A	A	A	B	B	A	B	B	B
Carbon Dioxide (wet)	A		A		A	A	B	B	B	A	B	B	B
Carbon Disulfide	C				B	A	A	A	A	A	D	D	
Carbon Monoxide	A				A	A	B	A	A	D	A	A	A
Carbon Tetrachloride	A	C		A	B	B	A	D	A	A	D	D	D
Carbonated Water	A				A	A	D	A	A	C	A		
Carbonic Acid	B				A	A	D	B	A	A	A	A	A
Catsup	A				A	A		D	A	B	C	C	
Chloroacetic Acid	C				A	B	D	D	D	A	D	B	
Chlorobromomethane			A				C		A	B	D	B	D
Chloric Acid					C	D	D	D		D			
Chlorinated Glue	A				A		B		A		D	B	
Chlorine, anhydrous liquid	C				C	C	A	D	A	C	D	C	
Chlorine, dry				A	B	C	D	C	A	D	C	A	D
Chlorine Water	A	C	D	A	C	C		D	A	D	D	C	

www.topworx.com

www.topworx.com

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Cycloalkanes			A										
Cycloalkanones			A										
Cyclohexane	A				A	A		A	A	A	D	D	D
Cyclohexanone	C				A	A		A	D		D	C	D
Detergents	A				A	A		B	A	A	B	A	A
Diacetone Alcohol	B				A	A		A	D		D	A	D
Dibutyl Phthalate			A										
Dichlorethane	B		D		B	B			C		D		
Dichlorofluoromethane			A										
Dichlorotetrafluoroethane			A										
Diesel Fuel	A		A		A	A		A	A	A	B	D	D
Diethylamine	A				B		A	B	D	C	C	B	B
Diethyl Ether			A										
Diethylene Glycol	C		D		A	A	A	B	A	A	A	A	B
Difluoromethane			A										
Dimethyl Ether			A										
Dimethylformamide			A										
Dimethyl Formamide					A	A		A		D	D	B	C
Dimethylsulfoxide			A										
Dioctylphthalate			A										
Diphenylene Oxide	A				B	B	A	B	A	A	D	D	C
Dipropyl Ether			A										
Dyes	A		A		A	A	A	B	A		C		
Epsom Salts	A				B	B	B	B	A	A	A	A	A
Ethane	A		A		A		A		A	A	B	D	D

Chemical Compatibility Chart (cont.)



www.topworx.com

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Ethanol		A											
Ethanolamine	A				A	A	A	B	D	B	B	B	B
Ether	A				B	B	B	B	C	D	D	C	D
Ethyl Acetate	C		C		B	B	B	B	D	D	D	B	B
Ethyl Chloride	A				A	A	A	B	A	A	B	A	D
Ethyl Sulfate	A				D		A		A	A			
Ethylene		A											
Ethylene Bromide					B	B	B	D	A			C	D
Ethylene Chloride	B			B	A	A	D	B	B	D	D	D	D
Ethylene Chlorohydrin					B			B	A	D	A	B	C
Ethylene Diamine	A				A	A		C	D	A	B	A	A
Ethylene Dichloride	C				A	A	A	B	A	D	D	C	D
Ethylene Glycol	C	A	B		A	A	B	B	A	A	A	A	A
Ethylene Oxide	A		B		C	C		D	D	D	D	C	D
Fatty Acids	A		A		A	B	B	A	A	B	B	D	C
Ferric Chloride	A				C	D	D	D	A	A	B	A	B
Ferric Nitrate	A				A	B	B	C	A	A	A	A	C
Ferric Sulfate	A				A	B	B	C	A	A	A	A	B
Ferrous Chloride	A				C	D	D	D	A	A	A		
Ferrous Sulfate	A				B	B	B	A		A		A	
Fluoboric Acid	A				C	B		D		A	A	A	
Fluorinated Hydrocarbons		A											
Fluorine	D		C		C	C	C	D	B			A	D
Fluoriosilic Acid	C				B	C	C	C		A	A	A	
Formaldehyde, 40%	A		A		A	A	B	B	A	B	B	A	

Chemical Compatibility Chart (cont.)



www.topworx.com

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Formaldehyde, 100%	A		A		A	C	B	A	D	C	C	A	B
Formic Acid	C		B		C	B	B	B	C	B	A	A	B
Freon 11	A			A	A	C	A		A	B	D	D	D
Freon 12	A			A		D	A	A	B	A	A	B	D
Freon 22	A			A			A		D	D	A	A	D
Freon 113	A			A			A		B	A	C	D	D
Freon TF	A			A			A	D	B	A	A	D	D
Fruit Juice	A		A		A		A	A	A	A	A		
Fuel Oils	A		A		A	A	A	C	A	B	C	D	C
Furan Resin	A				A	A	A	A		D	D	C	D
Furfural	A		A		B	B	B	A	D	D	D	B	D
Gallic Acid					B	B	B		A	B	B	B	
Gasoline	A	C		A	A	A	A	C	A	A	B	D	D
Gelatin	B				A	A	A	A	A	A	A	A	A
Glucose	B				A	A	A	B	A	A	A	A	A
Glue, PVA	A				A	A	A	A	A	A	A	A	A
Glycerin	A		A		A	A	A	C	A	A	A	A	A
Glycolic Acid	A				A	A	A	A	A	A	A	A	A
Gold Monocyanide	A				A	A	A		A	A	A		
Grape Juice	A				A	A	A		A	A	A		
Grease	A		A		A		A		A	D	D		
Heptane	A	B	A		A	A	A	A	A	A	A	D	D
Hexamethylenetetramine			A										
Hexane	B	B	A		A	A	A	A	A	A	B	D	D
Honey	A				A		A	A	A				

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Hydraulic Oil (Petro)	A	A	A		A	A	A	A	A	A	B	D	C
Hydraulic Oil (Synthetic)	A	A	A		A	A	A	A	A				
Hydrazine	A				A	A			A	B	B	A	C
Hydrobromic Acid, 20%	B		C		D	D	D	D	A	D	B	A	D
Hydrobromic Acid, 100%	D		C		D	D	D	D	A	D	D	A	D
Hydrochloric Acid, Dry Gas	A	A			D	D	D	D					
Hydrochloric Acid, 20%	A	A	C	D	D	D	D	D	A				
Hydrochloric Acid, 37%	A		C	D	D	D	D	D	A	B	B	A	B
Hydrochloric Acid, 100%			C	D	D	D	D	D	A	D	D	C	D
Hydrocyanic Acid	A				B	B	B	B	A	B	A	A	
Hydrocyanic Acid, gas							A		A	B	A	A	
Hydrofluoric Acid, 20%	A		A		D	D	D	D	A	B	A	A	D
Hydrofluoric Acid, 50%	C				D	D	D	D	A	B	A	A	D
Hydrofluoric Acid, 75%	B				D	D	D	D	A	D	D	C	D
Hydrofluoric Acid, 100%					B	B	D	D	A	D	D	C	D
Hydrofluosilicic Acid, 20%	C				B	C	D	D	A	A	C	A	
Hydrofluosilicic Acid, 100%	C				C	D	D	D	A	B	B	A	D
Hydrogen Gas			A	A	A	A	A	A	A	A	A	A	C
Hydrogen Peroxide, 10%	C	A		B	B	B	B	A	A				B
Hydrogen Peroxide, 30%	B	A		B	B	B	B	A	A				B
Hydrogen Peroxide, 50%		A		B	A	B	B	A	A				B
Hydrogen Peroxide, 100%	A	A	A	B	A	B	B	A	A	B	A	A	B
Hydrogen Sulfide (wet)	A	A	A	A	C	C	C	B	D	D	A	A	C
Hydrogen Sulfide (dry)	A	A		A	B	C	C	B	D	A	A	A	C
Hydroquinone			A						B	C		D	

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Hydroxyacetic Acid, 70%	A								A	A	A	A	
Ink	A		A		C	C			A	A	A		
Iodine	C				C	C	C	A	A	B	D	B	
Iodine (in alcohol)								B				A	
Iodoform					B			A			A		
Isocyanates, aromatic			A										
Isooctane			A										
Isopropanol			A										
Isotane	A						A	D	A	A	D		
Isopropyl Acetate	A				A	C	A	B	D	D	D	B	D
Isopropyl Ether	D	A			A	A		A	D	B	C	D	D
Jet Fuel	A				A	A	A	A	A	A	D	D	D
Kerosene	A			A	A	A	A	A	A	A	C	D	D
Ketones	C		C		A	A	C	A	D	D	D	D	
Lacquers	A				A	A	A	A	D	D	D	D	D
Lacquer Thinners	A				A	A	A	A	D	D	D	D	D
Lactic Acid	B		A		B	B	B	B	A	A	A	A	A
Lard	B				A	A	A	A	A	A	C	D	B
Latex	A				A	A		A	A	A		A	
Lead Acetate	A		A		B	B	B	D	D	B	B	A	D
Lead Sulfamate	A				C	C	A	C	A	B	A	A	B
Ligroin	A				A		A	D	A	A	B	D	D
Lime	A				A	A	A	D	A	A	A	D	
Lithium Bromide			A										
Lithium hydroxide			A		B	B	B	D		C			

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Lubricants	A	A	A		A	A	A	A	A	A	B	D	D
Magnesium Carbonate	A				A	A	A	B	A	A		A	
Magnesium Chloride	A				A	B	B	D	A	A	A	A	A
Magnesium Hydroxide	A				A	B	B	C	A	B	B	A	A
Magnesium Nitrate	A				A	A	A	C	A	A	A	A	
Magnesium Oxide	A				A		A		C	A	A		
Magnesium Salts			A										
Magnesium Sulfate	A				B	B	B	B	A	A	A	A	A
Maleic Acid	A		A		B	A	A	B	A	D	D	D	
Maleic Anhydride	A						A	A	A	D	D	D	
Malic Acid					A	A	B	B	A	A	B	D	B
Manganese Salts			A										
Mash	A				A		A	A	A	A	A	A	
MayonNaise	A				A	C	A	A	A	C	A		
Melamine	A				D				A	C	D	A	
Mercuric Chloride	A				C	D	D	D	A	A	A	A	
Mercuric Cyanide	A				B	B	D	D	A	A	A		
Mercury	A		A		A	A	A		A	A	A	A	
Methane			A		A	A	A	A	A	A	B	D	D
Methanol	B		A		A	A	B	A	A	A	A	A	A
Methyl Acetate	D		C		A	A		A	D	D	B	B	D
Methyl Acrylate	A						A		D	D	B	B	D
Methyl Acetone	C				A	A	C	A	A	D	D		
Methyl Alcohol, 10%	B				A	A	B	A	D	A	A	A	A
Methyl Bromide	B				A	A	B		A	B	D	D	

Chemical Compatibility Chart (cont.)



www.topworx.com

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Methyl Butyl Ketone	C				A		B		D	D	D	A	D
Methyl Cellosolve	C	C			A	A	C	A	D	C	B	B	D
Methyl Chloride	A	C		A	A	A	C	D	A	D	D	C	D
Methyl Dichloride	A						A		A	D		D	
Methyl Ethyl Ketone	C	C	A		A	A	B	A	D	D	D	A	D
Methyl Ethyl Ketone Peroxide									D	D	D	D	B
Methyl Isobutyl Ketone	C				A	A		A	D	D	D	B	D
Methyl Isopropyl Ketone	A				A	A			D	D	D	C	C
Methyl Methacrylate	A						A		D	D	D	D	
Methylamine	A				A		A		D	C		A	
Methylene Chloride	A	C	D		B		B	A	B	D		D	
Milk	A		A		A	B	B	A	A	A	A	A	A
Mineral Spirits	A				A	A	A	A	A	A	C	D	D
Molasses	A				A	A	B	A	A	A	A		
Monoethanolamine	A				B	A	A	B	D		D	A	B
Mustard	A				A	A	C	B	D	C	A		
Naphtha	A	C	A		A	A	A	A	A	C	D	D	D
Naphthalene	A		A		A	A	A	B	A	D	D	D	D
Naphthenic Acids			A										
Natural Gas				A	A				A	C	A	A	A
Nickel Chloride	A	C			C	D	D	D	A	A	B	A	A
Nickel Salts			A										
Nickel Sulfate	A				B	B	B	D	A	A	A	A	A
Nitrating Acid, <15%					C	C		D			A		
Nitrating Acid, >15%	D				C	C	D	D			A		

Chemical Compatibility Chart (cont.)



www.topworx.com

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Nitric Acid, 5-10%	A	A	B	D	A	A	B	D	A	D	B	B	
Nitric Acid, 20%	B	B		D	A	A	B	D	A	D	D	B	
Nitric Acid, 50%	D	B		D	A	A	B	C	A	D	D	D	C
Nitric Acid, conc	D	C	C	D	A	A	C	A	A	D	D	D	D
Nitrogen Fertilizer												D	
Nitrous Acid					A	A			A		D	A	
Nitrous Oxide			A		B	B		B			A	A	
Nitrobenzene	C		A		A	B	B	A	B	D	D	D	D
Nitrotoluene			A										

Oils:

Aniline	A		A		A	A	A	D	C	D	D	B	D
Anise	A		A		A		A				D		
Bay	A		A		A		A		A		D		
Bone	A	B	A		A		A		A	A	D		
Castor	A		A		A	A	A		A	A	A	B	A
Cinnamon	A		A		A	A	A		A		C		
Citric	A		A		A		A	A	A		D		
Clove	A		A		A	A	A	B	A	A	C		
Cocoa Nut	A		A		A	A	A	A	A	A	C	C	A
Cod Liver	A	B	A		A	A	A	A	A	A	B	A	B
Corn	A	A	A		A		A	A	A	A	C	C	A
Cotton Seed	A		A		A	A	A	A	A	A	C	C	A
Creosote	A	C	A		B	B	B	B	A		C	D	D
Diesel Fuel	A	A	A		A	A	A	A	A	DA	B	D	D
Fuel Oils	A	B	A		A	A	A	C	A	B	D	D	C

www.topworx.com

www.topworx.com

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Palmatic Acid			A										
Paraffin	A		A		A	A	A	A	B	A	A	D	
Pentane	A				C	C	A	A	A	A	B	D	D
Perchloric Acid									A	D	A	B	D
Perchloroethylene	D				A	B	A	B	A	C	D	D	D
Petrolatum	A				A		A		A	A	A	A	
Petroleum			A										
Petroleum, ethers & salts			A										
Phenol, 10%	C		D		B	B	B	B	A	D	D	B	D
Phenol, Carbonic Acid	C				B	B	B	B	A	D	D	B	D
Phosphate solutions			A										
Phosphine			A										
Phosphoric Acid, <40%	A	A	A	D	B	A	A	C	A	D	B	B	D
Phosphoric Acid, >40%	B	A	D	D	B	A	B	B	A	D	D	B	C
Phosphoric Acid Anhydride		A		D							A		
Phosphoric Acid, crude	B	A		D	B	D	D	B	A	D	D	B	C
Phosphoric Acid, molten				D			A				A		
Photo Developer	A		A		A	C	C		A	A	A	B	A
Phthalic Acid			A										
Phthalic Anhydride					A	A	A	A	A	B	A	A	
Picric Acid	A				B	B	B	A	A	B	B	B	D

Plating Solutions:

Antimony 130F	B				A	A	B	A	A	A	A		
Arsenic Plating 110F	B				A	A	B	A	A	A	A		
Reg Brass Bath 100F	B				A	A	B	A	A	A	A		

Chemical Compatibility Chart (cont.)



www.topworx.com

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Hi Speed Brass Bath	B				A		B	A	A	A	A		
Cu-Cd Bronze RT	B				A	A	B	A	A	A	A	A	
Cu-Sn Bronze bath 160F	C				A	A	C	A	A	A	A	A	
Cu-Zn Bronze bath 100F	B				A	A	B	A	A	A	A		
Cyanide bath 90F	B				A		B	A	A	A	A		
Fluoroborate bath 100F	B				A	A	B	A	A	B	B		
Chromic-Sulfuric bath	C				C		D	A	C	D	D		
Fluosilicate bath	C				C		D	A	C	D	D		
Fluoride bath 130F	C				D		D	A	C	D	D		
Black Chrome bath 115F	C				C		D	A	C	C	C		
Barrell Chrome bath 95F	C				D		D	A	C	D	D		
Cu Strike bath 120F	B				A				A	A	A		
Rochelle Salt bath 150F	C				A		C	A	A	A	B		
Hi Speed bath 180F	C				A		C	A	A	A	B		
Cu Sulfate RT	D				D		D	A	A	A	A		
Cu Fluoborate bath	D				D	A	D	A	A	B	C		
Cu Pyrophosphate	B				A		B	A	A	A	A		
Cu electroless	B						B	A	A	D	D		
Gold Cyanide 150F	D				A				A	A	A		
Gold - Neutral 75F	A				C				A	A	A		
Gold - Acid 75F	A				C				A	A	A		
Indium Sulfamate Plate RT	A				C				A	A	A		
Ferrous Chloride bath	D				D				A	B	D		
Ferrous Sulfate bath	D				C				A	A	B		
Ferrous Am Sulfate bath	D				C				A	A	B		

Chemical Compatibility Chart (cont.)



www.topworx.com

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Sulfate-Chloride bath	D				D				A	B	C		
Fluoborate bath	D				D				A	B	C		
Sulfamate	A				D				A	A	A		
Lead Fluoborate plating	A				C				A	B	A		
Nckel - Watts type 115-160F	D				C				A	A	A		
Nickel - Hi Chloride 130-160F	D				C				A	A	B		
Nickel - Fluoborate 100-170F	A				C				A	B	A		
Nickel - Sulfamate 100-140F	A				C				A	A	A		
Nickel - Electroless 200F	B								A	D	D		
Rhodium plate 120F	A				D				A	A	B	A	
Silver plate 80-120F	A				A				A	A	A	A	
Tin - Fluoborate plate 100F	A				C				A	B	C		
Tin - Lead plate 100F	A				C				A	B	C		
Zinc - Acid Chloride 140F	A				D				A	A	A		
Zinc - Acid Sulfate bath 150F	D				C				A	A	B		
Zinc - Acid Fluoborate bath RT	A				C				A	B	C		
Zinc - Alkaline Cyanide bath RT	A				A				A	A	A		
Polyols			A										
Potash	A				A	A		C	A	A	D		
Potassium Bicarbonate	A				B	B	B	D	A	A	A		
Potassium Bromide	A		A		B	C	B	B	A	A	A	A	
Potassium Carbonate	A				B	B	B	D	A	A	A	A	
Potassium Chlorate	A				B	B	B	B	A	C	A	A	
Potassium Chloride	A	A	A	D	B	A	B	D	A	A	A	A	A
Potassium Chromate	C				B	B	B	B	A	A	A	A	

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Potassium Cyanide Solutions	A				B	B	B	D	A	A	A	A	A
Potassium Dichromate	C		C		B	B	B	B	A	A	A	A	A
Potassium Ferrocyanide	A				B	B	C	B	A	A		A	
Potassium Hydroxide, caustic potash	A	C	D	B	B	B	B	D	B	B	B	A	C
Potassium Nitrate	A		A		B	B	B	B	A	A	A	A	A
Potassium Permanganate	A		A		B	B	B	B	A	C	A	A	
Potassium Sulfate	A				B	B	B	D	A	A	A	A	A
Potassium Sulfide					A	B	B		A	A	A	A	A
Propane, liquified	A	A	A	A	A	A	A	A	A	A	B	D	D
Propylene Glycol	C				B	B		B	A	A	C		
Pyridine	A				A	A	B	B	D	D	D	B	D
Pyrogalllic Acid	A				B	B	B	B	A				
Pyruvic Acid			A										
Rosins	A				A	A	B	B		A			
Rum	A				A	A			A	A	A		
Rust Inhibitors	A				A	A			A	A	C		
Salad Dressings	A				A	A		B	A	A			
Salicylic Acid			A										
Sea Water	A				A	C	C	B	A	A	A	A	A
Shellac, bleached	A				A	A	A	A		A	D		
Shellac, orange	A				A	A	A	A		A	D		
Silane			A										
Silicone	A		A		A	B		A	A	A	A	A	C
Silver Bromide	A				A	D	D	D					
Silver Nitrate	A				B	B	B	D	A	B	A	A	A

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Soap Solutions	A	B	A	A	A	A	A	C	A	A	A	A	A
Soda Ash													
Sodium Acetate	A				B	B	B	B	D	B	B	A	D
Sodium Aluminate	A				A	A			A	A	A	A	
Sodium Bicarbonate	A				B	A	B	D	A	B	B	A	D
Sodium Bisulfate	A				B	D	D	D	A	B	C	A	
Sodium Bisulfite	A				B	B	C	D	A	A	A	A	A
Sodium Borate	A				B	C	A	C	A	A	A	A	A
Sodium Carbonate	C		A		A	B	B	D	A	A	A	A	A
Sodium Chlorate	A		A		B	B	B	C	A	C	A	A	
Sodium Chloride	A	A		D	C	B	C	C	A	A	A	A	
Sodium Chromate	C				B	B	B	B	A	A	A		A
Sodium Cyanide	A				A	B	A	D	A	A	A	A	
Sodium Ferrocyanide									A				A
Sodium Fluoride	A				D	D	C	B	A	A	D	A	
Sodium Hydrogen Carbonate			A										
Sodium Hydrogen Sulfate			A										
Sodium Hydrosulfite			A					A	A		A		
Sodium Hydroxide, 20%	A	D	A		A	B	A	D	B	B	B	A	B
Sodium Hydroxide, 50%	B	D	D		B	B	B	D	B	B	B	A	B
Sodium Hydroxide, 80%	A		D		C	B	B	D	B	B	B	A	C
Sodium hypochlorite, <20%	C		C		C	C	D	D	A	B	B	B	B
Sodium Hypochlorite, 100%	D				D	D	D	D	A	B	B	B	B
Sodium Hypophosphite			A										
Sodium Hyposulfate	C				A	A		D			C		

Chemical Compatibility Chart (cont.)

	Epoxy	Polycarbonate	PBT	Brass	316 S.S.	304 S.S.	400 S.S.	Aluminum	Viton	Buna N	Neoprene	EPDM	Silicone
Sulfate, liquors	A				B	D	A	D	A	A	A	A	
Sulfur Chloride	C				D	D	D	D	A	D	D	D	C
Sulfur Dioxide	A	B	A	B	A	D	D	B	A	D	B	A	B
Sulfur Dioxide, dry	A		A		A	D	D	B	A	D	D	A	B
Sulfur Hexafluoride			A						C	B		A	B
Sulfur Trioxide	A				C	A		A	A	D	D	B	B
Sulfur Trioxide, dry	A				A	D	D	A	A	D	D	B	B
Sulfuric Acid, <10%	A	A	A	D	B	D	C	D	A	D	B	B	D
Sulfuric Acid, 10-75%	A	A		D	D	D	D	D	A	D	C	B	D
Sulfuric Acid, 75-100%	C			D	D	C	D	D	A	D	D	B	D
Sulfuric Acid, hot conc	D		D	D	C	D	B	D	A	D	D	D	D
Sulfuric Acid, cold conc	D			D	B	C	C	B	A	D	D	B	D
Sulfurous Acid	A		A		B	B	B	B	A	B	B	B	D
Sulfuryl Chloride	A												
Tallow	A				A	A		A	A	A			
Tannic Acid	A	B		A	A	B	B	C	A	A	B	A	B
Tanning Liquors	A				A	A		A	A	A	A	B	
Tartaric Acid	A		A		C	C	C	B	A	A	B	B	A
Tetrachloroethane	A				A	B		C	A	D			
Tetrachloroethylene			C		A				A	D	D	D	
Tetrachloromethane			A										
Tetrahydrofuran	A		A		A	A			D	D	D	B	B
Tetralin			A										
Tetramethylenesulfone			A										
Tin Salts					D			D				B	D

TOPWORX

[illegible]