Fluid Compatibility

	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
1-Chloro-1-Nitro Ethane	4	4	––	4	4	4	4	4
51-F-23	1	4	––	1	3	1	1	1
Acetaldehyde	4	1	––	4	2	4	4	3
Acetamide	1	1	1	4	2	1	2	1
Acetic Acid, 30%	2	1	––	4	1	2	2	1
Acetic Acid, Glacial	3	1	2	4	2	4	3	3
Acetic Anhydride	3	2	4	4	3	4	4	4
Acetone	4	1	4	4	3	4	4	4
Acetophenone	4	1	4	4	4	4	4	4
Acetyl Chloride	4	4	4	4	3	1	1	1
Acetylene	1	1	––	4	2	––	1	1
Acrylonitrile	4	4	4	4	4	4	3	3
Adipic Acid	1	1	1	––	––	1	1	1
Alkazene (Dibromoethylbenzene)	4	4	––	4	4	2	2	2
Aluminum Acetate (aq)	2	1	––	4	4	4	4	4
Aluminum Chloride (aq)	1	1	1	1	2	1	1	1
Aluminum Fluoride (aq)	1	1	1	––	2	1	1	1
Aluminum Nitrate (aq)	1	1	1	––	2	––	1	1
Aluminum Phosphate (aq)	1	1	1	––	1	—-	1	1
Aluminum Sulfate (aq)	1	1	1	4	1	1	1	1
Alum-NH3-Cr-K (aq)	1	1	1	4	1	4	4	––
Ammonia Anhydrous	2	1	2	4	3	4	4	4
Ammonia Gas (cold)	1	1	1	4	1	4	4	4
Ammonia Gas (hot)	4	2	4	4	1	4	4	4
Ammonium Carbonate (aq)	4	–	4	4	––	––	1	1
Ammonium Chloride (aq)	1	1	1	––	––	––	1	1
Ammonium Hydroxide (conc.)	4	1	––	4	1	2	2	1
Ammonium Nitrate (aq)	1	1	1	2	––	––	1	1
Ammonium Nitrite (aq)	1	1	1	––	2	––	1	1
Ammonium Persulfate (aq)	4	1	4	4	––	––	1	1

Ammonium Phosphate (aq)	1	1	--	--	1	--	1	1
Ammonium Sulfate (aq)	1	1	1	4	--	--	2	1
Amyl Acetate (Banana Oil)	4	3	4	4	4	4	4	4
Amyl Alcohol	2	1	2	4	4	1	2	1
Amyl Borate	1	4	1	--	--	--	1	1
Amyl Chloronapthalene	4	4	4	4	4	2	1	1
Amyl Napthalene	4	4	4	2	4	1	1	1
Anderol L-774	2	4	2	2	4	2	1	1
Aniline	4	1	--	4	4	3	3	1
Aniline Dyes	4	1	4	4	3	2	2	1
Aniline Hydrochloride	2	2	--	4	4	2	2	1
Animal Fats	1	2	1	1	2	1	1	1
Ansul Ether (Anesthetics)	3	3	3	4	4	3	4	4
Anti-freeze	1	1	1	4	2	1	1	1
Aqua Regia	4	3	4	4	4	3	2	1
Aroclor, 1248	3	3	3	4	2	2	1	1
Aroclor, 1254	4	3	4	4	3	2	1	1
Aroclor, 1260	1	1	1	4	2	1	1	1
Arsenic Acid	1	1	1	3	1	1	1	1
Arsenic Trichloride (aq)	1	3	1	--	--	--	4	4
Askarel	2	4	2	4	4	2	1	1
Asphalt	2	4	--	2	4	2	1	1
ASTM Oil #1	1	4	1	1	1	1	1	1
ASTM Oil #3	1	4	1	1	3	1	1	1
ASTM Ref. Fuel C	2	4	2	4	4	2	1	1
ASTM Ref. Fuel C/ Ethanol 85:15	2	4	2	4	4	2	2	1
ASTM Ref. Fuel C/ Methanol 85:15	2	4	2	4	4	2	3	1
Automatic Transmission Fluid	1	4	1	1	4	2	1	1
Banana Oil (Amyl Acetate)	4	3	4	4	4	4	4	4
Barium Chloride (aq)	1	1	1	1	1	1	1	1
Barium Hydroxide (aq)	1	1	1	4	1	1	1	1
Barium Sulfate (aq)	1	1	1	4	1	1	1	1
Barium Sulfide (aq)	1	1	1	4	1	1	1	1
Beer	1	1	1	4	1	1	1	1
Beet Sugar Liquors	1	1	1	4	1	1	1	1
Benzaldehyde	4	1	4	4	2	3	4	4
Benzene	4	4	4	4	4	3	1	1
Benzene Sulfonic Acid	4	3	--	4	4	2	1	1

Benzine (Ligroin) (Pet Ether)	1	4	--	1	4	1	1	1
Benzoic Acid	3	3	--	3	3	2	1	1
Benzoyl Chloride	4	4	--	4	--	2	2	1
Benzyl Alcohol	4	1	--	4	2	2	1	1
Benzyl Benzoate	4	2	--	4	--	1	1	1
Benzyl Chloride	4	4	--	4	4	2	1	1
Biphenyl (Diphenyl) (Phenylbenzene)	4	4	4	4	4	2	1	1
Blast Furnace Gas	4	4	4	4	1	2	1	1
Bleach Solutions	4	1	2	4	2	2	1	1
Borax	2	1	1	2	2	2	1	1
Bordeaux Mixture	2	1	--	4	2	2	1	1
Boric Acid	1	1	1	4	1	1	1	1
Brake Fluid	4	1	--	--	3	4	4	3
Brine	1	1	1	4	1	1	1	1
Bromine Trifluoride	4	4	4	4	4	4	4	4
Bromine Water	4	2	3	4	4	2	1	1
Bromine-Anhydrous	4	4	--	4	4	2	1	1
Bromobenzene	4	4	4	4	4	1	1	1
Bunker Oil	1	4	1	1	2	1	1	1
Butadiene	4	3	--	4	4	2	1	1
Butane	1	4	1	1	4	1	1	1
Butter (Animal Fat)	1	1	1	1	2	1	1	1
Butyl Acetate	4	3	--	4	4	4	4	4
Butyl Acetyl Ricinoleate	3	1	2	--	--	2	1	1
Butyl Acrylate	4	4	4	4	--	4	4	4
Butyl Alcohol	1	2	1	4	2	2	1	1
Butyl Amine	3	2	3	4	4	4	4	4
Butyl Benzoate	4	2	--	4	--	1	1	1
Butyl Carbitol	4	1	4	4	4	4	3	2
Butyl Cellosolve	3	1	3	4	--	4	4	4
Butyl Oleate	4	2	4	--	--	2	1	1
Butyl Stearate	2	3	2	--	--	2	1	1
Butylene	2	4	4	4	4	2	1	1
Butyraldehyde	4	2	--	4	4	4	4	4
	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
Calcium Hypochlorite (aq)	2	1	2	4	2	2	1	1
Calcium Acetate (aq)	2	1	2	4	4	4	4	4
Calcium Chloride (aq)	1	1	1	1	1	1	1	1

Calcium Hydroxide (aq)	1	1	1	4	1	1	1	1
Calcium Nitrate (aq)	1	1	1	1	2	1	1	1
Calcium Sulfide (aq)	1	1	1	4	2	1	1	1
Cane Sugar Liquors	1	1	--	4	1	1	1	1
Carbamate	3	2	--	4	--	1	1	1
Carbitol	2	2	--	4	2	2	2	2
Carbolic Acid (Phenol)	4	2	4	4	4	1	1	1
Carbon Bisulfide	3	4	4	3	4	1	1	1
Carbon Dioxide	1	2	1	--	2	1	1	1
Carbon Monoxide	1	1	1	--	1	2	1	1
Carbon Tetrachloride	3	4	2	4	4	3	1	1
Carbonic Acid	2	1	1	1	1	1	1	1
Castor Oil	1	2	1	1	1	1	1	1
Cellosolve	4	2	--	4	4	4	4	4
Cellosolve Acetate	4	2	4	4	4	4	4	4
Cellulube (Fryquel)	4	1	4	4	1	3	1	1
China Wood Oil (Tung Oil)	1	3	1	--	4	2	1	1
Chlorine (Dry)	4	4	2	4	4	1	1	1
Chlorine (Wet)	4	3	3	4	4	2	2	1
Chlorine Dioxide	4	3	--	4	--	2	1	1
Chlorine Trifluoride	4	4	4	4	4	3	4	4
Chloroacetic Acid	4	1	4	4	--	4	4	3
Chloroacetone	4	1	4	4	4	4	4	3
Chlorobenzene	4	4	4	4	4	2	1	1
Chlorobromomethane	4	2	4	4	4	2	1	1
Chlorobutadiene	4	4	4	4	4	2	1	1
Chlorododecane	4	4	4	4	4	1	1	1
Chloroform	4	4	4	4	4	4	1	1
Chlorosulfonic Acid	4	4	--	4	4	4	4	4
Chlorotoluene	4	4	4	4	4	2	1	1
Chlorox (Sodium Hypochlorite NaOCI)	2	2	2	4	2	2	1	1
Chrome Plating Solutions	4	2	4	4	2	2	1	1
Chromic Acid	4	3	4	4	3	3	1	1
Citric Acid	1	1	1	--	1	1	1	1
Coal Tar (Creosote)	1	4	--	1	4	1	1	1
Cobalt Chloride (aq)	1	1	1	4	2	1	1	1
Cocoanut Oil	1	3	1	1	1	1	1	1
Cod Liver Oil	1	1	1	1	2	1	1	1
Coke Oven Gas	4	4	4	4	2	2	1	1
Copper Acetate (aq)	2	1	2	4	4	4	4	4

Copper Chloride (aq)	1	1	1	1	1	1	1	1
Copper Cyanide (aq)	1	1	1	1	1	1	1	1
Copper Sulfate (aq)	1	1	1	4	1	1	1	1
Corn Oil	1	3	1	1	1	1	1	1
Cottonseed Oil	1	2	1	1	1	1	1	1
Creosote (Coal Tar)	1	4	1	1	4	1	1	1
Cresol	4	4	--	4	4	2	1	1
Cresylic Acid	4	4	1	4	4	2	1	1
Cumene	4	4	4	4	4	2	1	1
Cutting Oil	1	4	1	1	4	1	1	1
Cyclohexane	1	4	1	1	4	2	1	1
Cyclohexanol	3	3	1	--	4	1	1	1
Cyclohexanone	4	2	4	4	4	4	4	4
Decalin	4	4	--	--	4	1	1	1
Decane	1	4	1	1	2	1	1	1
Denatured Alcohol	1	1	1	4	1	1	1	1
Detergent Solutions	1	1	1	4	1	1	1	1
Developing Fluids	1	2	1	--	1	1	1	1
Diacetone	4	1	--	4	4	4	4	3
Diacetone Alcohol	4	1	4	4	2	4	4	3
Dibenzyl Ether	4	2	4	--	--	--	4	4
Dibenzyl Sebecate	4	2	4	4	3	3	2	1
Dibromoethylbenzene (Alkazene)	4	4	4	4	4	2	2	1
Dibutyl Amine	4	3	--	4	3	4	4	4
Dibutyl Ether	4	3	4	3	4	3	3	3
Dibutyl Phthalate	4	3	4	4	2	3	3	2
Dibutyl Sebecate	4	3	4	4	2	2	2	1
Dichloro-Isopropyl Ether	4	3	4	3	4	3	3	3
Dicyclohexylamine	3	4	3	4	--	4	4	4
Diesel Oil	1	4	1	1	4	1	1	1
Diethyl Benzene	4	4	--	--	4	3	1	1
Diethyl Ether	4	4	4	3	4	3	4	4
Diethyl Sebecate	2	2	3	4	2	2	2	1
Diethylamine	2	2	--	4	2	4	4	4
Diethylene Glycol	1	1	--	2	2	1	1	1
Diisobutylene	2	4	1	4	4	3	1	1
Diisopropyl Benzene	4	4	--	--	--	2	1	1
Diisopropyl Ketone	4	1	--	4	4	4	4	4
Diisopropylidene Acetone (Phorone)	4	3	--	4	4	4	4	4
Dimethyl Aniline (Xylidine)	3	2	--	4	4	4	4	4

Dimethyl Ether (Methyl Ether)	1	4	1	4	1	1	4	4
Dimethyl Formamide	2	2	--	4	2	4	4	4
Dimethyl Phthalate	4	2	4	4	--	2	2	1
Dinitrotoluene	4	4	4	4	4	4	4	4
Dioctyl Phtalate	3	2	--	4	3	2	2	1
Dioctyl Sebecate	4	2	4	4	3	3	2	1
Dioxane	4	2	--	4	4	3	4	4
Dioxolane	4	2	4	4	4	4	4	4
Dipentene	2	4	2	4	4	3	1	1
Diphenyl (Biphenyl) (Phenylbenzene)	4	2	4	4	4	2	1	1
Diphenyl Oxides	4	2	--	4	3	2	1	1
Dow Corning 33, 200	1	1	1	1	3	2	1	1
Dow Corning 55	1	1	1	1	3	2	1	1
Dowtherm Oil	4	4	4	4	3	2	1	1
Dry Cleaning Fluids	3	4	3	4	4	2	1	1
	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
Epichlorohydrin	4	2	4	4	4	4	4	4
Ethane	1	4	--	1	4	2	1	1
Ethanolamine	2	2	--	4	2	4	4	4
Ethy Chloroformate	4	2	--	4	4	4	4	4
Ethyl Acetate	4	2	--	4	2	4	4	4
Ethyl Acetoacetate	4	2	--	4	2	4	4	4
Ethyl Acrylate	4	2	--	4	2	4	4	4
Ethyl Alcohol	1	1	1	4	1	1	2	1
Ethyl Benzene	4	4	--	4	4	1	1	1
Ethyl Benzoate	4	1	--	4	4	1	1	1
Ethyl Cellosolve	4	4	--	4	4	4	4	4
Ethyl Cellulose	2	2	--	4	3	4	4	4
Ethyl Chloride	1	3	--	4	4	1	1	1
Ethyl Chlorocarbonate	4	2	--	4	4	2	1	1
Ethyl Ether	3	3	--	4	4	3	4	4
Ethyl Formate	4	2	--	--	--	1	1	1
Ethyl Mercaptan	4	3	--	--	3	--	2	1
Ethyl Oxalate	4	1	--	4	4	2	1	1
Ethyl Pentachlorobenzene	4	4	--	4	4	2	1	1
Ethyl Silicate	1	1	--	--	--	1	1	1
Ethylene	1	2	--	--	--	1	1	1
Ethylene Chloride	4	3	--	4	4	3	2	1

Ethylene Chlorohydrin	4	2	--	4	3	2	1	1
Ethylene Diamine	1	1	1	4	1	4	4	4
Ethylene Dichloride	4	3	--	4	4	3	1	1
Ethylene Glycol	1	1	1	3	1	1	1	1
Ethylene Oxide	4	3	--	4	4	4	4	4
Ethylene Trichloride	4	3	4	4	4	3	1	1
Fatty Acids	2	3	2	--	3	--	1	1
Ferric Chloride (aq)	1	1	1	1	2	1	1	1
Ferric Nitrate (aq)	1	1	1	1	3	1	1	1
Ferric Sulfate (aq)	1	1	1	1	2	1	1	1
Fish Oil	1	4	--	--	1	1	1	1
Fluorine (Liquid)	4	4	--	4	4	--	2	2
Fluorobenzene	4	4	--	4	4	2	1	1
Fluoroboric Acid	1	1	--	--	--	--	--	--
Fluorolube	1	1	1	--	1	2	2	1
Fluorosilicic (Hydrofluosilicic) Acid	1	2	1	--	4	4	1	1
Fluorosilicone Oil (DC 1265)	2	1	2	1	1	3	1	--
Formaldehyde (RT)	3	1	2	4	2	4	4	4
Formic Acid	2	1	--	--	2	3	4	4
Freon 11	2	4	2	--	4	2	1	1
Freon 112	2	4	2	--	4	--	1	1
Freon 113	1	3	1	--	4	4	2	1
Freon 114	1	1	1	--	4	2	2	1
Freon 114B2	2	4	--	--	4	--	2	1
Freon 115	1	1	--	--	--	--	2	1
Freon 12	1	4	1	1	4	3	2	1
Freon 13	1	1	--	--	4	4	1	1
Freon 134A	1	1	1	--	--	--	3	--
Freon 13B1	1	1	--	--	4	--	1	1
Freon 142b	1	1	2	--	--	--	4	4
Freon 152a	1	1	--	--	--	--	4	4
Freon 21	4	4	--	--	4	--	4	4
Freon 218	1	1	--	--	--	--	1	1
Freon 22	4	1	--	2	4	4	4	4
Freon 31	4	1	--	--	--	--	4	4
Freon 32	1	1	--	--	--	--	4	4
Freon 502	2	1	--	--	--	--	2	1
Freon BF	2	4	2	--	4	--	1	1
Freon C316	1	1	--	--	--	--	2	1
Freon C318	1	1	1	--	--	--	2	1
Freon MF	1	4	2	--	4	--	2	1

Freon TA	1	2	--	--	3	--	4	3
Freon TC	1	2	--	--	4	--	1	1
Freon TF	1	4	1	--	4	--	2	1
Freon TMC	2	3	--	--	3	--	1	1
Freon T-P35	1	1	--	--	1	--	1	1
Freon T-WD602	2	2	--	--	4	--	1	1
Fuel Oil	1	4	1	1	4	1	1	1
Fumaric Acid	1	2	1	4	2	1	1	1
Furan, Furfuran	4	3	4	4	--	--	4	4
Furfural	4	2	4	4	4	--	4	4
Fyrquel (Cellulube)	4	1	4	4	1	3	1	1
	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
Gallic Acid	2	2	2	4	--	1	1	1
Gasoline	2	4	2	4	4	1	1	1
Gear Lube	1	4	1	1	4	1	1	1
Gelatin	1	1	--	4	1	1	1	1
Glauber's Salt (aq)	4	2	4	4	--	1	1	1
Glucose	1	1	1	--	1	1	1	1
Glue	1	1	--	--	1	1	1	1
Glycerin	1	1	--	3	1	1	1	1
Glycols	1	1	1	4	1	1	1	1
Grease (Light)	1	4	1	1	4	1	1	1
Green Sulfate Liquor	2	1	2	2	1	2	1	1
Halowax Oil	4	4	4	--	4	1	1	1
Helium	1	1	1	1	1	1	1	1
Hexane	1	4	1	1	4	1	1	1
Hexyl Alcohol	1	3	--	4	2	2	1	1
Hydraulic Oil (Petroleum)	1	4	1	1	3	1	1	1
Hydrazine	2	1	--	--	3	4	4	4
Hydrobromic Acid	4	1	4	4	4	3	1	1
Hydrobromic Acid 40%	4	1	--	4	4	3	1	1
Hydrochloric Acid (Cold) 37%	3	1	--	4	3	2	1	1
Hydrochloric Acid (Hot) 37%	4	3	--	4	4	3	2	1
Hydrocyanic Acid	2	1	2	4	3	2	1	1
Hydrofluoric Acid (Conc.) Cold	4	3	--	4	4	4	1	1
Hydrofluoric Acid (Conc.) Hot	4	4	--	4	4	4	4	4

Hydrofluoric Acid-Anhydrous	4	3	--	4	4	4	4	4
Hydrofluosilicic Acid (Fluosilicic Acid)	1	2	1	--	4	4	1	1
Hydrogen Gas	1	1	--	2	3	3	1	1
Hydrogen Peroxide (90%)	4	2	2	4	2	2	2	1
Hydrogen Sulfide (Wet) Cold	4	1	1	4	3	3	4	3
Hydrogen Sulfide (Wet) Hot	4	1	4	4	3	3	4	3
Hydroquinone	3	2	4	4	--	2	2	1
Hypochlorous Acid	4	2	4	4	--	--	1	1
Iodine Pentafluoride	4	4	4	4	4	4	4	4
Iodoform	--	4	--	--	--	--	3	2
i-Propyl Acetate	4	2	--	4	4	4	4	4
IRM 901	1	4	1	1	1	1	1	1
IRM 903	1	4	1	1	3	1	1	1
Isobutyl Alcohol	2	1	2	4	1	2	1	1
Isooctane	1	4	1	1	4	1	1	1
Isophorone	4	3	4	4	4	4	4	4
Isopropyl Acetate	4	2	4	4	4	4	4	4
Isopropyl Alcohol	2	1	2	4	1	2	1	1
Isopropyl Chloride	4	4	4	4	4	2	1	1
Isopropyl Ether	2	4	2	3	4	3	4	4
JP4-JP6	1	4	1	2	4	2	1	1
Kerosene	1	4	1	1	4	1	1	1
	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
Lacquer Solvents	4	4	4	4	4	4	4	4
Lacquers	4	4	4	4	4	4	4	2
Lactic Acid (Cold)	1	1	--	4	1	1	1	1
Lactic Acid (Hot)	4	4	--	4	2	2	1	1
Lard	1	2	1	1	2	1	1	1
Lavender Oil	2	4	2	2	4	2	1	1
Lead Acetate (aq)	2	1	2	4	4	4	4	4
Lead Nitrate (aq)	1	1	1	--	2	1	1	1
Lead Sulfamate (aq)	2	1	--	4	2	1	1	1
Ligroin (Benzine) (Nitrobenzine)	1	4	1	1	4	1	1	1
Lime Bleach	1	1	1	4	2	1	1	1
Lime Sulfur	4	1	1	4	1	1	1	1

Lindol (Hydraulic Fluid)	4	1	--	4	3	3	2	1
Linoleic Acid	2	4	2	--	2	--	2	1
Linseed Oil	1	3	1	1	1	1	1	1
Liquefied Petroleum Gas	1	4	1	3	3	3	1	1
Lubricating Oils (Petroleum)	1	4	1	1	4	1	1	1
Lye	2	1	2	4	2	1	2	1
Magnesium Chloride (aq)	1	1	1	--	1	1	1	1
Magnesium Hydroxide (aq)	2	1	2	4	--	--	1	1
Magnesium Sulfate (aq)	1	1	--	4	1	1	1	1
Maleic Acid	4	2	4	4	--	--	1	1
Maleic Anhydride	4	2	4	4	--	--	4	3
Malic Acid	1	2	1	4	2	1	1	1
Mercury	1	1	1	--	--	--	1	1
Mercury Chloride (aq)	1	1	1	--	--	--	1	1
Mesityl Oxide	4	2	4	4	4	4	4	4
Methane	1	4	1	1	4	2	1	1
Methyl Acetate	4	1	4	4	4	4	4	4
Methyl Acrylate	4	2	--	4	4	4	4	4
Methyl Alcohol	1	1	1	4	1	1	4	1
Methyl Bromide	2	4	2	3	--	1	1	1
Methyl Butyl Ketone (Propyl Acetone)	4	1	4	4	3	4	4	4
Methyl Cellosolve	3	2	3	4	4	4	4	4
Methyl Chloride	4	3	4	4	4	2	2	1
Methyl Cyclopentane	4	4	4	4	4	2	1	1
Methyl Ether (Dimethyl Ether)	1	4	1	4	1	1	4	4
Methyl Ethyl Ketone	4	1	--	4	4	4	4	4
Methyl Formate	4	2	4	--	--	--	4	4
Methyl Isobutyl Ketone	4	2	4	4	4	4	4	4
Methyl Methacrylate	4	3	4	4	4	4	4	4
Methyl Oleate	4	2	4	--	--	2	2	1
Methyl Salicylate	4	2	--	--	--	--	2	1
Methyl Tertiary Butyl Ether (MTBE)	3	3	--	--	--	--	4	3
Methylacrylic Acid	4	2	--	4	4	4	4	4
Methylene Chloride	4	5	--	4	4	2	2	2
MIL-1-8660 B	1	1	--	--	4	1	1	1
MIL-A-8243 B	1	1	--	3	2	2	2	1
MIL-C-4339 C	1	4	--	1	3	1	1	1
MIL-C-5545 A	2	4	--	2	4	1	1	1

MIL-C-6529 C	2	4	--	2	4	1	1	1
MIL-C-8188 C	1	4	--	3	3	1	1	1
MIL-F-16929 A	1	4	--	3	3	1	1	1
MIL-F-16958 A	1	4	--	1	3	1	1	1
MIL-F-17111	1	4	--	1	3	1	1	1
MIL-F-19605	1	4	--	--	4	1	1	1
MIL-F-25172	1	4	--	--	4	1	1	1
MIL-F-25524 A	1	4	--	--	4	1	1	1
MIL-F-25558 B (RJ-1)	1	4	1	1	3	1	1	1
MIL-F-25576 C (RP-1)	1	4	1	1	4	1	1	1
MIL-F-25656 B	1	4	1	2	4	2	1	1
MIL-F-5566	1	1	--	--	1	1	1	1
MIL-F-5602	1	4	--	1	3	1	1	1
MIL-F-7024 A	1	4	--	2	4	1	1	1
MIL-G-10924 B	1	4	--	1	3	1	1	1
MIL-G-15793	1	4	--	3	3	1	1	1
MIL-G-18709 A	1	4	--	1	3	1	1	1
MIL-G-2108	1	4	--	1	3	1	1	1
MIL-G-23827 A	1	4	--	3	3	1	1	1
MIL-G-25013 D	1	1	--	2	4	2	1	1
MIL-G-25537 A	1	4	--	1	3	1	1	1
MIL-G-25760 A	1	4	--	3	4	1	1	1
MIL-G-27343	1	1	--	--	4	1	1	1
MIL-G-27617	4	1	--	--	4	1	1	1
MIL-G-4343 B	2	3	--	1	4	2	1	1
MIL-G-7118 A	1	4	--	3	3	1	1	1
MIL-G-7187	1	4	--	1	3	1	1	1
MIL-G-7421 A	1	4	--	--	3	1	1	1
MIL-G-7711 A	1	4	--	1	3	1	1	1
MIL-H-13862	1	4	--	1	3	1	1	1
MIL-H-13866 A	1	4	--	1	3	1	1	1
MIL-H-13910 B	2	1	--	2	4	2	1	1
MIL-H-13919 A	1	4	--	1	3	1	1	1
MIL-H-19457 B	4	1	--	4	4	3	4	--
MIL-H-22072	1	1	--	3	2	2	2	1
MIL-H-25598	1	4	--	1	3	1	1	1
MIL-H-27601 A	2	4	--	2	4	1	1	1
MIL-H-46001 A	1	4	--	1	3	1	1	1
MIL-H-46004	1	4	--	1	3	1	1	1
MIL-H-5559 A	1	1	--	3	2	2	2	1
MIL-H-5606 B (Red Oil)	1	4	1	1	4	1	1	1
MIL-H-6083 C	1	4	--	1	3	1	1	1

MIL-H-7083 A	1	1	--	3	2	2	2	1
MIL-H-7644	2	1	--	2	4	2	1	1
MIL-H-81019 B	1	4	--	1	3	1	1	1
MIL-H-8446 B (MLO-8515)	2	4	--	3	4	1	1	1
MIL-I-27686 D	1	1	--	3	2	2	2	1
MIL-J-5161 F	1	4	--	--	4	1	1	1
MIL-J-5624 G JP-3, JP-4, JP-5	1	4	1	2	4	2	1	1
Milk	1	1	1	4	1	1	1	1
MIL-L-10295 A	1	4	--	1	3	1	1	1
MIL-L-10324 A	1	4	--	1	3	1	1	1
MIL-L-11734 B	1	4	--	3	3	1	1	1
MIL-L-14107 B	3	4	--	--	4	1	1	1
MIL-L-15017	1	4	--	1	3	1	1	1
MIL-L-15018 B	1	4	--	1	3	1	1	1
MIL-L-15019 C	1	4	--	1	3	1	1	1
MIL-L-15719 A	2	2	--	2	4	2	1	1
MIL-L-17331 D	1	4	--	1	3	1	1	1
MIL-L-17353 A	1	4	--	--	3	1	1	1
MIL-L-17672 B	1	4	--	1	3	1	1	1
MIL-L-18486 A	1	4	--	1	3	1	1	1
MIL-L-19701	1	4	--	3	3	1	1	1
MIL-L-2104 B	1	4	--	1	3	1	1	1
MIL-L-2105 B	1	4	--	1	3	1	1	1
MIL-L-21260	1	4	--	1	3	1	1	1
MIL-L-21568 A	1	1	--	1	4	2	1	1
MIL-L-22396	1	4	--	1	3	1	1	1
MIL-L-23699 A	1	4	--	3	3	1	1	1
MIL-L-25336 B	1	4	--	3	3	1	1	1
MIL-L-25681 C	1	1	--	2	4	2	1	1
MIL-L-25968	1	4	--	3	3	1	1	1
MIL-L-26087 A	1	4	--	1	3	1	1	1
MIL-L-27694 A	1	1	--	--	4	1	1	1
MIL-L-3150 A	1	4	--	1	3	1	1	1
MIL-L-3503	1	4	--	1	3	1	1	1
MIL-L-3545-B	2	4	--	2	4	1	1	1
MIL-L-46000 A	1	4	--	3	3	1	1	1
MIL-L-46002	1	4	--	--	3	1	1	1
MIL-L-5020 A	1	4	--	2	4	1	1	1
MIL-L-6082 C	1	4	--	1	3	1	1	1
MIL-L-6085 A	1	4	2	3	3	1	1	1
MIL-L-6086 B	1	4	--	1	3	1	1	1

MIL-L-6387 A	1	4	--	--	3	1	1	1
MIL-L-644 B	1	3	--	2	3	--	--	--
MIL-L-7645	2	4	--	2	4	1	1	1
MIL-L-7808 F	1	4	2	3	3	1	1	1
MIL-L-7870 A	1	4	--	1	3	1	1	1
MIL-L-8383 B	1	4	--	1	3	1	1	1
MIL-L-9000 F	1	4	--	2	4	1	1	1
MIL-L-9236 B	1	3	--	3	4	1	1	1
MIL-O-11773	1	4	--	3	3	1	1	1
MIL-O-6081 C	1	4	--	1	3	1	1	1
MIL-P-12098	2	1	--	2	4	2	1	1
MIL-P-46046 A	2	1	--	2	4	2	1	1
MIL-S-3136 B Type I	1	4	1	2	4	1	1	1
MIL-S-3136 B Type II	1	4	1	--	4	1	1	1
MIL-S-3136 B Type III	1	4	1	--	4	1	1	1
MIL-S-3136 B Type IV	1	4	1	1	3	1	1	1
MIL-S-3136 B Type V	1	4	1	1	3	1	1	1
MIL-S-3136 B Type VI	1	4	1	1	3	1	1	1
MIL-S-3136 B Type VII	1	4	1	--	4	1	1	1
MIL-S-81087	1	1	--	--	4	2	1	1
MIL-T-9188 B	4	1	--	4	4	3	4	--
Mineral Oil	1	3	1	1	2	1	1	1
Monochlorobenzene	4	4	4	4	4	2	1	1
Monoethanol Amine	4	1	--	4	2	4	4	4
Monomethyl Aniline	4	2	4	4	--	--	2	2
Monomethyl Ether (Methyl Ether)	1	4	--	4	1	1	4	4
Monovinyl Acetylene	1	2	--	--	2	--	1	1
Mustard Gas	--	1	--	--	1	--	1	1
	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
Naphtha	2	4	2	2	4	2	1	1
Naphthalene	4	4	4	--	4	1	1	1
Naphthalenic Acid	2	4	--	--	4	1	1	1
Natural Gas	1	4	1	2	1	3	1	1
Neats Foot Oil	1	2	1	1	2	1	1	1
Neville Acid	4	2	4	4	4	2	1	1
N-Hexaldehyde	4	1	--	--	2	4	4	4
N-Hexene-1	2	4	2	1	4	1	1	1
Nickel Acetate (aq)	2	1	2	4	4	4	4	4
Nickel Chloride (aq)	1	1	1	3	1	1	1	1

Nickel Sulfate (aq)	1	1	1	4	1	1	1	1
Niter Cake	1	1	1	4	1	1	1	1
Nitric Acid (Conc.)	4	4	4	4	4	3	2	1
Nitric Acid (Dilute)	4	2	--	4	2	2	1	1
Nitric Acid-Red Fuming	4	4	4	4	4	4	3	2
Nitrobenzene	4	1	4	4	4	4	2	1
Nitrobenzene (Petroleum Ether)	1	4	1	1	4	1	1	1
Nitroethane	4	2	--	4	4	4	4	4
Nitrogen	1	1	--	1	1	1	1	1
Nitrogen Tetroxide	4	3	4	4	4	4	4	4
Nitromethane	4	2	4	4	4	4	4	4
N-Octane	2	4	--	4	4	2	1	1
n-Propyl Acetate	4	2	--	4	4	4	4	4
O-A-548 b	1	1	--	3	2	2	2	2
O-Chloronapthalene	4	4	--	4	4	2	1	1
Octachlorotoluene	4	4	--	4	4	2	1	1
Octadecane	1	4	--	2	4	1	1	1
Octyl Alcohol	2	3	2	4	2	2	1	1
O-Dichlorobenzene	4	4	--	4	4	2	1	1
O-Dichlorobenzene	4	4	4	4	4	2	1	1
Oleic Acid	3	4	1	4	4	--	2	2
Oleum Spirits	2	4	2	--	4	2	1	1
Olive Oil	1	2	1	1	3	1	1	1
O-T-634 b	3	4	--	4	4	2	1	1
Oxalic Acid	2	1	2	--	2	1	1	1
Oxygen-(200-400?F)	4	3	4	4	2	4	2	1
Oxygen-Cold	2	1	--	2	1	1	1	1
Ozone	4	1	4	2	1	2	1	1
	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
Paint Thinner, Duco	4	4	4	4	4	2	2	1
Palmitic Acid	1	2	1	--	4	1	1	1
P-Cymene	4	4	--	4	4	2	1	1
P-D-680	1	4	1	--	4	1	1	1
Peanut Oil	1	3	--	1	1	1	1	1
Perchloric Acid	4	2	--	4	4	1	1	1
Perchloroethylene	2	4	--	4	4	2	1	1
Petroleum-Above 250?F	4	4	--	4	4	4	2	1
Petroleum-Below 250?F	1	4	--	2	2	2	1	1
Phenol (Carbolic Acid)	4	2	4	4	4	1	1	1

Phenyl Ethyl Ether	4	4	4	4	4	4	4	4
Phenyl Hydrazine	4	2	--	4	--	--	2	
Phenylbenzene (Biphenyl) (Diphenyl)	4	4	4	4	4	2	1	1
Phorone (Diisopropylidene Acetone)	4	3	4	4	4	4	4	4
Phosphoric Acid-20%	2	1	—-	—-	2	2	1	1
Phosphoric Acid-45%	4	1	—-	—-	3	2	1	1
Phosphorus Trichloride	4	1	4	—-	—-	1	1	1
Pickling Solution	4	3	--	4	4	4	2	1
Picric Acid	2	2	--	--	4	2	1	1
Pine Oil	4	4	--	--	4	1	1	1
Pinene	2	4	--	4	4	2	1	1
Piperidine	4	4	--	4	4	4	4	4
Plating Solution-Chrome	--	1	4	--	4	--	1	1
Plating Solution-Others	1	1	1	--	4	--	1	1
Potassium Acetate (aq)	2	1	--	4	4	4	4	4
Potassium Chloride (aq)	1	1	1	1	1	1	1	1
Potassium Cupro Cyanide (aq)	1	1	1	1	1	1	1	1
Potassium Cyanide (aq)	1	1	1	1	1	1	1	1
Potassium Hydroxide (aq)	2	1	2	4	3	3	4	4
Potassium Nitrate (aq)	1	1	1	1	1	1	1	1
Potassium Sulfate (aq)	1	1	1	4	1	1	1	1
Potassiun Dichromate (aq)	1	1	1	1	1	1	1	1
Producer Gas	1	4	--	2	2	2	1	1
Propane	1	4	1	1	4	2	1	1
Propyl Acetone (Methyl Butyl Ketone)	4	1	4	4	3	4	4	4
Propyl Alcohol	1	1	1	4	1	1	1	1
Propyl Nitrate	4	2	1	4	4	4	4	4
Propylene	4	4	4	4	4	2	1	1
Propylene Oxide	4	2	4	4	4	4	4	4
P-S-661 b	1	4	--	--	4	1	1	1
Pydraul, 10E, 29 ELT	4	1	4	4	4	4	1	1
Pydraul, 115E	4	1	4	4	4	3	1	1
Pydraul, 230E, 312C, 540C	4	4	4	4	4	4	1	1
Pydraul, 30E, 50E, 65E, 90E	4	1	4	4	1	1	1	1
Pyranol, Transformer Oil	1	4	1	1	4	1	1	1

Pyridine	4	2	4	4	4	4	4	4
Pyroligneous Acid	4	2	4	4	--	4	4	4
Pyrrole	4	3	--	4	2	3	4	4
Radiation	3	2	3	3	3	4	3	3
Rapeseed Oil	2	1	2	2	4	1	1	1
Red Oil (MIL-H-5606)	1	4	1	1	4	1	1	1
RJ-1 (MIL-F-25558 B)	1	4	1	1	4	1	1	1
RP-1 (MIL-F-25576 C)	1	4	1	1	4	1	1	1
	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
Sal Ammoniac	1	1	1	1	2	1	1	1
Salicylic Acid	2	1	2	--	--	1	1	1
Salt Water	1	1	1	4	1	1	1	1
Sewage	1	2	1	4	2	1	1	1
Silicate Esters	2	4	2	--	4	1	1	1
Silicone Greases	1	1	1	1	3	1	1	1
Silicone Oils	1	1	1	1	3	1	1	1
Silver Nitrate	2	1	2	1	1	1	1	1
Skydrol 500	4	1	4	4	3	3	4	4
Skydrol 7000	4	1	4	4	3	3	2	1
Soap Solutions	1	1	1	4	1	1	1	1
Soda Ash	1	1	1	--	1	1	1	1
Sodium Acetate (aq)	2	1	2	4	4	4	4	4
Sodium Bicarbonate (aq) (Baking Soda)	1	1	1	--	1	1	1	1
Sodium Bisulfite (aq)	1	1	1	4	1	1	1	1
Sodium Borate (aq)	1	1	1	--	1	1	1	1
Sodium Chloride (aq)	1	1	1	--	1	1	1	1
Sodium Cyanide (aq)	1	1	1	--	1	1	1	1
Sodium Hydroxide (aq)	2	1	2	3	2	2	2	1
Sodium Hypochlorite (aq) (Chlorox)	2	2	2	4	2	2	1	1
Sodium Metaphosphate (aq)	1	1	1	--	--	1	1	1
Sodium Nitrate (aq)	2	1	--	--	4	--	1	1
Sodium Perborate (aq)	2	1	2	--	2	1	1	1
Sodium Peroxide (aq)	2	1	2	4	4	1	2	1
Sodium Phosphate (aq)	1	1	1	1	4	--	1	1
Sodium Silicate (aq)	1	1	1	--	--	--	1	1
Sodium Sulfate (aq)	1	1	--	4	1	1	1	1
Sodium Thiosulfate (aq)	2	1	--	4	1	1	1	1
Soybean Oil	1	3	1	1	1	1	1	1

Stannic Chloride (aq)	1	1	1	--	2	1	1	1
Stannous Chloride (aq)	1	1	1	--	2	1	1	1
Steam Over 300?F	4	3	4	4	4	4	4	3
Steam Under 300?F	4	1	4	4	3	4	2	2
Stearic Acid	2	2	2	--	2	--	1	1
Stoddard Solvent	1	4	1	1	4	1	1	1
Styrene	4	4	4	4	4	3	2	1
Sucrose Solution	1	1	2	4	1	1	1	1
Sulfite Liquors	2	2	--	4	4	2	1	1
Sulfur	4	1	4	4	3	1	1	1
Sulfur Chloride (aq)	3	4	4	4	3	1	1	1
Sulfur Dioxide	4	1	4	4	2	2	2	1
Sulfur Dioxide (Dry)	4	1	4	4	2	2	2	1
Sulfur Dioxide (Wet)	4	1	4	4	2	2	2	1
Sulfur Hexafluoride	2	1	2	4	2	2	1	1
Sulfur Trioxide	4	2	4	4	2	2	1	1
Sulfuric Acid (20% Oleum)	4	4	2	4	4	4	1	1
	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
Sulfuric Acid (Conc.)	4	3	--	4	4	4	1	1
Sulfuric Acid (Dilute)	3	2	--	2	4	3	1	1
Sulfurous Acid	2	2	2	4	4	--	3	2
Tannic Acid	1	1	1	4	2	--	1	1
Tar, Bituminous	2	3	2	4	2	1	1	1
Tartaric Acid	1	2	1	--	1	1	1	1
Terpineol	2	3	2	--	--	1	1	1
Tertiary Butyl Alcohol	2	2	--	4	2	2	1	1
Tertiary Butyl Catechol	4	2	--	4	--	1	1	1
Tertiary Butyl Mercaptan	4	4	4	4	4	--	1	1
Tetrabromoethane	4	4	4	4	4	2	1	1
Tetrabromomethane	4	4	--	--	4	2	1	1
Tetrabutyl Titanate	2	1	2	--	--	1	1	1
Tetrachloroethylene	4	4	4	4	4	2	1	1
Tetraethyl Lead	2	4	2	--	--	2	1	1
Tetrahydrofuran	4	3	4	4	4	4	4	4
Tetralin	4	4	4	--	4	1	2	1
Thionyl Chloride	4	3	--	4	--	--	2	1
Titanium Tetrachloride	2	4	2	4	4	2	1	1
Toluene	4	4	4	4	4	2	2	1

Toluene Diisocyanate	4	2	4	4	4	4	4	3
Transformer Oil	1	4	1	2	2	1	1	1
Transmission Fluid Type A	1	4	1	1	4	2	1	1
Triacetin	2	1	2	4	--	4	4	3
Triaryl Phosphate	4	1	4	4	3	2	1	1
Tributoxy Ethyl Phosphate	4	1	4	4	--	2	1	1
Tributyl Mercaptan	4	4	--	4	4	3	1	1
Tributyl Phosphate	4	2	4	4	4	4	4	4
Trichloroacetic Acid	2	2	2	4	--	4	4	3
Trichloroethane	4	4	4	4	4	2	1	1
Trichloroethylene	4	4	3	4	4	2	1	1
Tricresyl Phosphate	4	4	4	4	3	2	1	1
Triethanol Amine	2	1	3	4	--	4	4	4
Triethyl Aluminum	4	3	--	4	--	--	2	1
Triethyl Borane	4	3	—-	4	--	--	1	1
Trinitrotoluene	4	4	4	4	--	2	2	1
Trioctyl Phosphate	4	1	--	4	3	2	2	1
TT-I-735 b	1	1	1	--	1	1	1	1
TT-N-95 a	1	4	1	--	4	1	1	1
TT-N-97 B	1	4	1	3	4	2	1	1
TT-S-735 Type I	1	4	1	2	4	1	1	1
TT-S-735 Type II	1	4	1	--	4	1	1	1
TT-S-735 Type III	1	4	1	--	4	1	1	1
TT-S-735 Type IV	1	4	1	1	3	1	1	1
TT-S-735 Type V	1	4	1	1	3	1	1	1
TT-S-735 Type VI	1	4	1	1	3	1	1	1
TT-S-735 Type VII	1	4	1	--	4	1	1	1
TT-T-656b	4	1	--	4	4	3	4	--
Tung Oil (China Wood Oil)	1	3	1	--	4	2	1	1
Turbine Oil	2	4	1	1	4	2	1	1
Turpentine	1	4	1	2	4	2	1	1
Ucon Lubricant LB 65	1	1	1	--	1	1	1	1
Unsymmetrical Dimethyl Hydrazine	2	1	2	--	4	4	4	4
Varnish	2	4	2	4	4	2	1	1
Vegetable Oils	1	3	1	1	2	1	1	1
Versilube F-50	1	1	1	1	3	1	1	1
Vinegar	2	1	2	4	1	3	1	1
Vinyl Chloride	4	4	--	4	--	--	1	1
VV-B-680	2	1	--	2	4	2	1	1
VV-G-632	1	4	--	1	3	1	1	1

VV-G-671c	1	4	--	1	3	1	1	1
VV-H-910	2	1	3	2	4	2	1	1
VV-I-530a	1	4	--	1	3	1	1	1
VV-K-211d	1	4	--	--	4	1	1	1
VV-K-220a	1	4	--	2	4	1	1	1
VV-L-751b	2	4	--	2	4	1	1	1
VV-L-800	1	4	--	1	3	1	1	1
VV-L-820b	1	4	--	1	3	1	1	1
VV-L-825a Type I	1	4	--	1	3	1	1	1
VV-L-825a Type II	1	4	--	1	3	1	1	1
VV-L-825a Type III	2	4	--	2	4	1	1	1
VV-O-526	1	4	--	1	3	1	1	1
VV-P-216a	1	4	--	1	3	1	1	1
VV-P-236	2	4	--	2	4	1	1	1
Wagner 21B Brake Fluid	3	1	--	--	3	4	4	3
	Nitrile	EPDM	Highly Saturated Nitrile	Vamac®, Polyacrylate	Silicone	Fluorosilcone	Fluorocarbon Typical of 65%F	Higher Fluid Resistant Fluorocarbon Typical of 69-70%F
Water	1	1	1	4	1	1	1	1
Whiskey, Wines	1	1	1	4	1	1	1	1
White Oil	1	4	1	1	4	1	1	1
White Pine Oil	2	4	--	--	4	1	1	1
Wood Oil	1	4	--	1	4	2	1	1
Xylene	4	4	4	4	4	1	1	1
Xylidine (Di-methyl Aniline)	3	2	3	4	4	4	4	3
Zeolites	1	1	1	--	--	1	1	1
Zinc Acetate (aq)	2	1	2	4	4	4	4	4
Zinc Chloride (aq)	1	1	1	4	1	1	1	1
Zinc Sulfate (aq)	1	1	1	4	1	1	1	1

LEGEND

1 - Little Effect
2 - Moderate Effect - May Be Acceptable for Static Applications
3 - Significant Effect- Caution Advised if Used<
4 - Do Not Use
All Dashes Indicate Insufficient Data