

Chemical resistance of various rubber

E(xcellent)=Minor Effect; G(ood)=Moderate Effect; F(air)=Static Seals Only;

P(oor)=Not Recommended; na=Information Not Available

Chemical Resistance	CR	NBR	EPDM	Silicone	Viton
1-Chloro-1-Nitro Ethane	P	P	P	P	P
51-F-23	G	E	P	F	E
Acetaldehyde	F	P	E	G	P
Acetamide	G	E	E	G	G
Acetic Acid, 30%	E	G	E	E	G
Acetic Acid, Glacial	P	F	E	G	F
Acetic Anhydride	G	F	G	F	P
Acetone	F	P	E	F	P
Acetophenone	P	P	E	P	P
Acetyl Chloride	P	P	P	F	E
Acetylene	G	E	E	G	E
Acrylonitrile	P	P	P	P	F
Adipic Acid	E	E	E	na	E
Alkazene (Dibromoethylbenzene)	P	P	P	P	G
Aluminum Acetate (aq)	G	G	E	P	P
Aluminum Chloride (aq)	E	E	E	G	E
Aluminum Fluoride (aq)	E	E	E	G	E
Aluminum Nitrate (aq)	E	E	E	G	E
Aluminum Phosphate (aq)	E	E	E	E	E
Aluminum Sulfate (aq)	E	E	E	E	E
Alum-NH3-Cr-K (aq)	E	E	E	E	P
Ammonia Anhydrous	E	G	E	F	P
Ammonia Gas (cold)	E	E	E	E	P
Ammonia Gas (hot)	G	P	G	E	P
Ammonium Carbonate (aq)	E	P	na	na	E
Ammonium Chloride (aq)	E	E	E	na	E
Ammonium Hydroxide (conc.)	E	P	E	E	G
Ammonium Nitrate (aq)	E	E	E	na	E
Ammonium Nitrite (aq)	E	E	E	G	E
Ammonium Persulfate (aq)	E	P	E	na	E
Ammonium Phosphate (aq)	E	E	E	E	E
Ammonium Sulfate (aq)	E	E	E	na	G
Amyl Acetate (Banana Oil)	P	P	F	P	P
Amyl Alcohol	G	G	E	P	G
Amyl Borate	E	E	P	na	E
Amyl Chloronapthalene	P	P	P	P	E
Amyl Napthalene	P	P	P	P	E
Aniline	P	P	E	P	F
Aniline Dyes	G	P	E	F	G
Aniline Hydrochloride	P	G	G	P	G
Animal Fats	G	E	G	G	E
Ansul Ether (Anesthetics)	P	F	F	P	P
Aqua Regia	P	P	F	P	G
Aroclor, 1248	P	F	F	G	E
Aroclor, 1254	P	P	F	F	E
Aroclor, 1260	E	E	E	G	E
Arsenic Acid	E	E	E	E	E
Arsenic Trichloride (aq)	E	E	F	na	P
Askarel	P	G	P	P	E
Asphalt	G	G	P	P	E
ASTM #1 Method D-471	E	E	P	F	E

ASTM #2 Method D-471	G	E	P	F	E
ASTM #3 Method D-471	G	E	P	F	E
Banana Oil (Amyl Acetate)	P	P	F	P	P
Barium Chloride (aq)	E	E	E	E	E
Barium Hydroxide (aq)	E	E	E	E	E
Barium Sulfate (aq)	E	E	E	E	E
Barium Sulfide (aq)	E	E	E	E	E
Beer	E	E	E	E	E
Beet Sugar Liquors	G	E	E	E	E
Benzaldehyde	P	P	E	G	P
Benzene	P	P	P	P	E
Benzene Sulfonic Acid	G	P	F	P	E
Benzine (Ligroin) (Nitrobenzine) (Pet Ether)	G	E	P	P	E
Benzoic Acid	P	F	F	F	E
Benzoyl Chloride	P	P	P	na	G
Benzyl Alcohol	G	P	E	G	E
Benzyl Benzoate	P	P	G	na	E
Benzyl Chloride	P	P	P	P	E
Biphenyl (Diphenyl) (Phenylbenzene)	P	P	P	P	E
Blast Furnace Gas	P	P	P	E	E
Bleach Solutions	P	P	E	G	E
Borax	E	G	E	G	E
Bordeaux Mixture	G	G	E	G	E
Boric Acid	E	E	E	E	E
Brine	E	E	E	E	E
Bromine Trifluoride	P	P	P	P	P
Bromine Water	P	P	G	P	E
Bromine-Anhydrous	P	P	P	P	E
Bromobenzene	P	P	P	P	E
Bunker Oil	P	E	P	G	E
Butadiene	P	P	F	P	E
Butane	E	E	P	P	E
Butter (Animal Fat)	G	E	E	G	E
Butyl Acetate	P	P	F	P	P
Butyl Acetyl Ricinoleate	G	F	E	na	E
Butyl Acrylate	P	P	P	na	P
Butyl Alcohol	E	E	G	G	E
Butyl Amine	P	F	G	P	P
Butyl Benzoate	P	P	G	na	E
Butyl Carbitol	F	P	E	P	F
Butyl Cellosolve	F	F	E	na	P
Butyl Oleate	P	P	G	na	E
Butyl Stearate	P	G	F	na	E
Butylene	F	G	P	P	E
Butyraldehyde	F	P	G	P	P
Calcium Hypochlorite (aq)	F	G	E	G	E
Calcium Acetate (aq)	G	G	E	P	P
Calcium Bisulfite (aq)	E	P	P	E	E
Calcium Chloride (aq)	E	E	E	E	E
Calcium Hydroxide (aq)	E	E	E	E	E
Calcium Nitrate (aq)	E	E	E	G	E
Calcium Sulfide (aq)	E	E	E	G	E
Cane Sugar Liquors	E	E	E	E	E
Carbamate	G	F	G	na	E
Carbitol	G	G	G	G	G
Carbolic Acid (Phenol)	F	P	G	P	E
Carbon Bisulfide	P	F	P	P	E
Carbon Dioxide	G	E	G	G	E
Carbon Monoxide	G	E	E	E	E

Carbon Tetrachloride	P	F	P	P	E
Carbonic Acid	E	G	E	E	E
Castor Oil	E	E	G	E	E
Cellosolve	P	P	G	P	F
Cellosolve Acetate	P	P	G	P	P
Cellulube (Fryquel)	P	P	E	E	E
China Wood Oil (Tung Oil)	G	E	F	P	E
Chlorine (Dry)	F	P	P	P	E
Chlorine (Wet)	F	P	F	P	G
Chlorine Dioxide	P	P	F	na	E
Chlorine Trifluoride	P	P	P	P	P
Chloroacetic Acid	P	P	E	na	P
Chloroacetone	F	P	E	P	P
Chlorobenzene	P	P	P	P	E
Chlorobromomethane	P	P	G	P	E
Chlorobutadiene	P	P	P	P	E
Chlorododecane	P	P	P	P	E
Chloroform	P	P	P	P	E
Chlorosulfonic Acid	P	P	P	P	P
Chlorotoluene	P	P	P	P	E
Chlorox (Sodium Hypochlorite NaOC1)	E	G	G	G	E
Chrome Plating Solutions	P	P	G	G	E
Chromic Acid	F	P	F	F	E
Citric Acid	E	E	E	E	E
Coal Tar (Creosote)	G	E	P	P	E
Cobalt Chloride (aq)	E	E	E	G	E
Cocoonut Oil	G	E	F	E	E
Cod Liver Oil	G	E	E	G	E
Coke Oven Gas	P	P	P	G	E
Copper Acetate (aq)	G	G	E	P	P
Copper Chloride (aq)	G	E	E	E	E
Copper Cyanide (aq)	E	E	E	E	E
Copper Sulfate (aq)	E	E	E	E	E
Corn Oil	F	E	F	E	E
Cottonseed Oil	G	E	G	E	E
Creosote (Coal Tar)	G	E	P	P	E
Cresol	F	P	P	P	E
Cresylic Acid	F	P	P	P	E
Cumene	P	P	P	P	E
Cyclohexane	F	E	P	P	E
Cyclohexanol	E	F	F	P	E
Cyclohexanone	P	P	G	P	P
Decalin	P	P	P	P	E
Bitmap	P	E	P	G	E
Decane					
Denatured Alcohol	E	E	E	E	E
Detergent Solutions	G	E	E	E	E
Developing Fluids	E	E	G	E	E
Diacetone	P	P	E	P	P
Diacetone Alcohol	G	P	E	G	P
Dibenzyl Ether	F	P	G	na	P
Dibenzyl Sebecate	P	P	G	F	G
Dibromoethylbenzene (Alkazene)	P	P	P	P	G
Dibutyl Amine	P	P	F	F	P
Dibutyl Ether	F	P	F	P	F
Dibutyl Phthalate	P	P	G	G	F
Dibutyl Sebecate	P	P	G	G	G
Dichloro-Isopropyl Ether	P	P	F	P	F
Dicyclohexylamine	P	F	P		P

Diesel Oil	F	E	P	P	E
Diethyl Benzene	P	P	P	P	E
Diethyl Ether	F	P	P	P	P
Diethyl Sebecate	P	G	G	G	G
Diethylamine	G	G	G	G	P
Diethylene Glycol	E	E	E	G	E
Diisobutylene	P	G	P	P	E
Diisopropyl Benzene	P	P	P	na	E
Diisopropyl Ketone	P	P	E	P	P
Diisopropylidene Acetone (Phorone)	P	P	F	P	P
Dimethyl Aniline (Xylidine)	F	F	G	P	P
Dimethyl Ether (Methyl Ether) (Monomethyl Ether)	F	E	P	E	P
Dimethyl Formamide	F	G	G	G	P
Dimethyl Phthalate	P	P	G	na	G
Dinitrotoluene	P	P	P	P	P
Dioctyl Phtalate	P	F	G	F	G
Dioctyl Sebecate	P	P	G	F	G
Dioxane	P	P	G	P	P
Dioxolane	P	P	G	P	P
Dipentene	P	G	P	P	E
Diphenyl (Biphenyl) (Phenylbenzene)	P	P	P	P	E
Diphenyl Oxides	P	P	P	F	E
Dowtherm Oil	P	P	P	F	E
Dry Cleaning Fluids	P	F	P	P	E
Epichlorohydrin	P	P	G	P	P
Ethane	G	E	P	P	E
Ethanolamine	G	G	G	G	P
Ethy Chloroformate	P	P	G	P	P
Ethyl Acetate	F	P	G	G	P
Ethyl Acetoacetate	F	P	G	G	P
Ethyl Acrylate	P	P	G	G	P
Ethyl Alcohol	E	E	E	E	G
Ethyl Benzene	P	P	P	P	E
Ethyl Benzoate	P	P	E	P	E
Ethyl Cellosolve	P	P	P	P	P
Ethyl Cellulose	G	G	G	F	P
Ethyl Chloride	P	E	F	P	E
Ethyl Chlorocarbonate	P	P	G	P	E
Ethyl Ether	F	F	F	P	P
Ethyl Formate	G	P	G	na	E
Ethyl Mercaptan	F	P	F	F	G
Ethyl Oxalate	F	P	E	P	E
Ethyl Pentachlorobenzene	P	P	P	P	E
Ethyl Silicate	E	E	E	na	E
Ethylene	F	E	G	na	E
Ethylene Chloride	P	P	F	P	G
Ethylene Chlorohydrin	G	P	G	F	E
Ethylene Diamine	E	E	E	E	P
Ethylene Dichloride	P	P	F	P	E
Ethylene Glycol	E	E	E	E	E
Ethylene Oxide	P	P	F	P	P
Ethylene Trichloride	P	P	F	P	E
Fatty Acids	G	G	F	F	E
Ferric Chloride (aq)	E	E	E	G	E
Ferric Nitrate (aq)	E	E	E	F	E
Ferric Sulfate (aq)	E	E	E	G	E
Fish Oil	P	E	P	E	E
Fluorinated Cyclic Ethers	P	na	E	na	na
Fluorine (Liquid)	P	P	P	P	G

Fluorobenzene	P	P	P	P	E
Fluoroboric Acid	E	E	E	na	na
Fluorocarbon Oils	G	E	E	na	na
Fluorolube	G	E	E	E	G
Fluorosilicic Acid (Hydrofluosilicic Acid)	G	E	G	P	E
Formaldehyde (RT)	G	F	E	G	P
Formic Acid	E	G	E	G	F
Freon 11	F	G	P	P	E
Freon 112	F	G	P	P	E
Freon 113	E	E	F	P	G
Freon 114	E	E	E	P	G
Freon 114B2	F	G	P	P	G
Freon 115	E	E	E	na	G
Freon 12	E	E	G	P	G
Freon 13	E	E	E	P	E
Freon 13B1	E	E	E	P	E
Freon 142b	E	E	G	na	P
Freon 152a	E	E	E	na	P
Freon 21	P	P	P	P	P
Freon 218	E	E	E	na	E
Freon 22	E	P	E	P	P
Freon 31	G	P	E	na	P
Freon 32	E	E	E	na	P
Freon 502	E	G	E	na	G
Freon BF	F	G	P	P	E
Freon C316	E	E	E	na	G
Freon C318	E	E	E	na	G
Freon MF	F	E	P	P	G
Freon TA	G	E	G	F	P
Freon TC	E	E	G	P	E
Freon TF	E	E	P	P	G
Freon TMC	F	G	F	F	E
Freon T-P35	E	E	E	E	E
Freon T-WD602	G	G	G	P	E
Fuel Oil	G	E	P	P	E
Fumaric Acid	G	E	G	G	E
Furan, Furfuran	P	P	F	na	P
Furfural	F	P	G	P	P
Fyrquel (Cellulube)	P	P	E	E	E
Gallic Acid	G	G	G	na	E
Gasoline	F	G	P	P	E
Gelatin	E	E	E	E	E
Glauber's Salt (aq)	G	P	G	na	E
Glucose	E	E	E	E	E
Glue	E	E	E	E	E
Glycerin	E	E	E	E	E
Glycols	E	E	E	E	E
Green Sulfate Liquor	G	G	E	E	E
Halowax Oil	P	P	P	P	E
Hexane	G	E	P	P	E
Hexyl Alcohol	G	E	F	G	E
Hydraulic Oil (Petroleum)	G	E	P	F	E
Hydrazine	G	G	E	F	P
Hydrobromic Acid	P	P	E	P	E
Hydrobromic Acid 40%	G	P	E	P	E
Hydrochloric Acid (Cold) 37%	G	F	E	F	E
Hydrochloric Acid (Hot) 37%	P	P	F	P	G
Hydrocyanic Acid	G	G	E	F	E
Hydrofluoric Acid (Conc.) Cold	P	P	F	P	E

Hydrofluoric Acid (Conc.) Hot	P	P	P	P	P
Hydrofluoric Acid-Anhydrous	P	P	F	P	P
Hydrofluosilicic Acid (Fluosilicic Acid)	G	E	G	P	E
Hydrogen Gas	E	E	E	F	E
Hydrogen Peroxide (90%)	P	P	G	G	G
Hydrogen Sulfide (Wet) Cold	G	P	E	F	P
Hydrogen Sulfide (Wet) Hot	F	P	E	F	P
Hydroquinone	P	F	G	na	G
Hypochlorous Acid	P	P	G	na	E
Iodine Pentafluoride	P	P	P	P	P
Iodoform	P	na	P	na	F
i-Propyl Acetate	P	P	G	P	P
Isobutyl Alcohol	E	G	E	E	E
Isooctane	G	E	P	P	E
Isophorone	P	P	F	P	P
Isopropyl Acetate	P	P	G	P	P
Isopropyl Alcohol	G	G	E	E	E
Isopropyl Chloride	P	P	P	P	E
Isopropyl Ether	F	G	P	P	P
Kerosene	G	E	P	P	E
Lacquer Solvents	P	P	P	P	P
Lacquers	P	P	P	P	P
Lactic Acid (Cold)	E	E	E	E	E
Lactic Acid (Hot)	P	P	P	G	E
Lard	G	E	G	G	E
Lavender Oil	P	G	P	P	E
Lead Acetate (aq)	G	G	E	P	P
Lead Nitrate (aq)	E	E	E	G	E
Lead Sulfamate (aq)	E	G	E	G	E
Ligroin (Benzine) (Nitrobenzine) (Pet Ether)	G	E	P	P	E
Lime Bleach	G	E	E	G	E
Lime Sulfur	E	P	E	E	E
Lindol (Hydraulic Fluid)	P	P	E	F	G
Linoleic Acid	P	G	P	G	G
Linseed Oil	G	E	F	E	E
Liquefied Petroleum Gas	G	E	P	F	E
Lubricating Oils (Petroleum)	G	E	P	P	E
Lye	G	G	E	G	G
Magnesium Chloride (aq)	E	E	E	E	E
Magnesium Hydroxide (aq)	E	G	E	na	E
Magnesium Sulfate (aq)	E	E	E	E	E
Maleic Acid	F	P	G	na	E
Maleic Anhydride	F	P	G	na	P
Malic Acid	F	E	G	G	E
Mercury	E	E	E	na	E
Mercury Chloride (aq)	E	E	E	na	E
Mesityl Oxide	P	P	G	P	P
Methane	G	E	P	P	E
Methyl Acetate	G	P	E	P	P
Methyl Acrylate	G	P	G	P	P
Methyl Alcohol	E	E	E	E	P
Methyl Bromide	P	G	P	na	E
Methyl Butyl Ketone (Propyl Acetone)	P	P	E	F	P
Methyl Cellosolve	F	F	G	P	P
Methyl Chloride	P	P	F	P	G
Methyl Cyclopentane	P	P	P	P	E
Methyl Ether (Dimethyl Ether) (Monomethyl Ether)	F	E	P	E	P
Methyl Ethyl Ketone	F	P	E	P	P
Methyl Formate	G	P	G	na	P

Methyl Isobutyl Ketone	P	P	G	P	P
Methyl Methacrylate	P	P	F	P	P
Methyl Oleate	P	P	G	na	G
Methyl Salicylate	P	P	G	na	G
Methylacrylic Acid	G	P	G	P	P
Methylene Chloride	P	P	F	P	G
MIL-1-8660 B	E	E	E	P	E
MIL-A-8243 B	G	E	E	G	G
MIL-C-4339 C	E	E	P	F	E
MIL-C-5545 A	G	G	P	P	E
MIL-C-6529 C	G	G	P	P	E
MIL-C-8188 C	F	E	P	F	E
MIL-F-16929 A	F	E	P	F	E
MIL-F-16958 A	G	E	P	F	E
MIL-F-17111	G	E	P	F	E
MIL-F-19605	F	E	P	P	E
MIL-F-25172	F	E	P	P	E
MIL-F-25524 A	F	E	P	P	E
MIL-F-25558 B (RJ-1)	G	E	P	F	E
MIL-F-25576 C (RP-1)	F	E	P	P	E
MIL-F-25656 B	F	E	P	P	E
MIL-F-5566	G	E	E	E	E
MIL-F-5602	G	E	P	F	E
MIL-F-7024 A	G	E	P	P	E
MIL-G-10924 B	G	E	P	F	E
MIL-G-15793	F	E	P	F	E
MIL-G-18709 A	E	E	P	F	E
MIL-G-2108	E	E	P	F	E
MIL-G-23827 A	F	E	P	F	E
MIL-G-25013 D	G	E	E	P	E
MIL-G-25537 A	G	E	P	F	E
MIL-G-25760 A	F	E	P	P	E
MIL-G-27343	E	E	E	P	E
MIL-G-27617	na	P	E	P	E
MIL-G-4343 B	G	G	F	P	E
MIL-G-7118 A	F	E	P	F	E
MIL-G-7187	E	E	P	F	E
MIL-G-7421 A	F	E	P	F	E
MIL-G-7711 A	E	E	P	F	E
MIL-H-13862	G	E	P	F	E
MIL-H-13866 A	G	E	P	F	E
MIL-H-13910 B	G	G	E	P	E
MIL-H-13919 A	G	E	P	F	E
MIL-H-19457 B	P	P	E	P	P
MIL-H-22072	G	E	E	G	G
MIL-H-25598	G	E	P	F	E
MIL-H-27601 A	G	G	P	P	E
MIL-H-46001 A	E	E	P	F	E
MIL-H-46004	G	E	P	F	E
MIL-H-5559 A	G	E	E	G	G
MIL-H-5606 B (Red Oil)	G	E	P	P	E
MIL-H-6083 C	G	E	P	F	E
MIL-H-7083 A	G	E	E	G	G
MIL-H-7644	G	G	E	P	E
MIL-H-81019 B	G	E	P	F	E
MIL-H-8446 B (MLO-8515)	G	G	P	P	E
MIL-I-27686 D	G	E	E	G	G
MIL-J-5161 F	F	E	P	P	E
MIL-J-5624 G JP-3, JP-4, JP-5	F	E	P	P	E

Milk	E	E	E	E	E
MIL-L-10295 A	G	E	P	F	E
MIL-L-10324 A	G	E	P	F	E
MIL-L-11734 B	F	E	P	F	E
MIL-L-14107 B	E	F	P	P	E
MIL-L-15017	E	E	P	F	E
MIL-L-15018 B	E	E	P	F	E
MIL-L-15019 C	E	E	P	F	E
MIL-L-15719 A	G	G	G	P	E
MIL-L-17331 D	E	E	P	F	E
MIL-L-17353 A	F	E	P	F	E
MIL-L-17672 B	E	E	P	F	E
MIL-L-18486 A	E	E	P	F	E
MIL-L-19701	F	E	P	F	E
MIL-L-2104 B	E	E	P	F	E
MIL-L-2105 B	E	E	P	F	E
MIL-L-21260	E	E	P	F	E
MIL-L-21568 A	E	E	E	P	E
MIL-L-22396	E	E	P	F	E
MIL-L-23699 A	F	E	P	F	E
MIL-L-25336 B	F	E	P	F	E
MIL-L-25681 C	G	E	E	P	E
MIL-L-25968	F	E	P	F	E
MIL-L-26087 A	E	E	P	F	E
MIL-L-27694 A	E	E	E	P	E
MIL-L-3150 A	E	E	P	F	E
MIL-L-3503	G	E	P	F	E
MIL-L-3545-B	G	G	P	P	E
MIL-L-46000 A	F	E	P	F	E
MIL-L-46002	E	E	P	F	E
MIL-L-5020 A	E	E	P	P	E
MIL-L-6082 C	E	E	P	F	E
MIL-L-6085 A	F	E	P	F	E
MIL-L-6086 B	E	E	P	F	E
MIL-L-6387 A	F	E	P	F	E
MIL-L-644 B	F	E	F	F	na
MIL-L-7645	G	G	P	P	E
MIL-L-7808 F	F	E	P	F	E
MIL-L-7870 A	G	E	P	F	E
MIL-L-8383 B	E	E	P	F	E
MIL-L-9000 F	G	E	P	P	E
MIL-L-9236 B	F	E	F	P	E
MIL-O-11773	F	E	P	F	E
MIL-O-6081 C	G	E	P	F	E
MIL-P-12098	G	G	E	P	E
MIL-P-46046 A	G	G	E	P	E
MIL-S-3136 B Type I	G	E	P	P	E
MIL-S-3136 B Type II	F	E	P	P	E
MIL-S-3136 B Type III	F	E	P	P	E
MIL-S-3136 B Type IV	E	E	P	F	E
MIL-S-3136 B Type V	G	E	P	F	E
MIL-S-3136 B Type VI	G	E	P	F	E
MIL-S-3136 B Type VII	F	E	P	P	E
MIL-S-81087	E	E	E	P	E
MIL-T-9188 B	P	P	E	P	P
Mineral Oil	G	E	F	G	E
Monochlorobenzene	P	P	P	P	E
Monoethanol Amine	P	P	E	G	P
Monomethyl Aniline	P	P	G	na	G

Monomethyl Ether (Methyl Ether) (Dimethyl Ether)	F	E	P	E	P
Monovinyl Acetylene	G	E	G	G	E
Mustard Gas	E	na	E	E	E
Naphtha	F	G	P	P	E
Naphthalene	P	P	P	P	E
Naphthalenic Acid	P	G	P	P	E
Natural Gas	E	E	P	E	E
Neats Foot Oil	P	E	G	G	E
Neville Acid	P	P	G	P	E
N-Hexaldehyde	E	P	E	G	P
N-Hexene-1	G	G	P	P	E
Nickel Acetate (aq)	G	G	E	P	P
Nickel Chloride (aq)	E	E	E	E	E
Nickel Sulfate (aq)	E	E	E	E	E
Niter Cake	E	E	E	E	E
Nitric Acid (Conc.)	P	P	P	P	G
Nitric Acid (Dilute)	G	P	G	G	E
Nitric Acid-Red Fuming	P	P	P	P	F
Nitrobenzene	P	P	E	P	G
Nitrobenzene (Petroleum Ether)	G	E	P	P	E
Nitroethane	F	P	G	P	P
Nitrogen	E	E	E	E	E
Nitrogen Tetroxide	P	P	F	P	P
Nitromethane	G	P	G	P	P
N-Octane	G	G	P	P	E
n-Propyl Acetate	P	P	G	P	P
O-A-548 b	G	E	E	G	G
O-Chloronaphthalene	P	P	P	P	E
Octachlorotoluene	P	P	P	P	E
Octadecane	G	E	P	P	E
Octyl Alcohol	E	G	F	G	E
O-Dichlorobenzene	P	P	P	P	E
O-Dichlorobenzene	P	P	P	P	E
Oleic Acid	F	F	P	P	G
Oleum Spirits	F	G	P	P	E
Olive Oil	G	E	G	F	E
O-T-634 b	P	F	P	P	E
Oxalic Acid	G	G	E	G	E
Oxygen-(200-400°F)	P	P	F	G	G
Oxygen-Cold	E	G	E	E	E
Ozone	F	P	E	E	E
Paint Thinner, Duco	P	P	P	P	G
Palmitic Acid	G	E	G	P	E
P-Cymene	P	P	P	P	E
P-D-680	F	E	P	P	E
Peanut Oil	F	E	F	E	E
Perchloric Acid	G	P	G	P	E
Perchloroethylene	P	G	P	P	E
Petroleum-Above 250°F	G	P	P	P	G
Petroleum-Below 250°F	G	E	P	G	E
Phenol (Carbolic Acid)	F	P	G	P	E
Phenyl Ethyl Ether	P	P	P	P	P
Phenyl Hydrazine	P	P	G	na	G
Phenylbenzene (Biphenyl) (Diphenyl)	P	P	P	P	E
Phorone (Diisopropylidene Acetone)	P	P	F	P	P
Phosphoric Acid-20%	G	G	E	G	E
Phosphoric Acid-45%	G	P	E	F	E
Phosphorus Trichloride	P	P	E	na	E
Pickling Solution	P	P	F	P	G

Picric Acid	E	G	G	P	E
Pine Oil	P	P	P	P	E
Pinene	F	G	P	P	E
Piperidine	P	P	P	P	P
Plating Solution-Chrome	P	na	E	P	E
Plating Solution-Others	P	E	E	P	E
Polyvinyl Acetate Emulsion	G	na	E	na	na
Potassium Acetate (aq)	G	G	E	P	P
Potassium Chloride (aq)	E	E	E	E	E
Potassium Cupro Cyanide (aq)	E	E	E	E	E
Potassium Cyanide (aq)	E	E	E	E	E
Potassium Hydroxide (aq)	G	G	E	F	P
Potassium Nitrate (aq)	E	E	E	E	E
Potassium Sulfate (aq)	E	E	E	E	E
Potassium Dichromate (aq)	E	E	E	E	E
Producer Gas	G	E	P	G	E
Propane	G	E	P	P	E
Propyl Acetone (Methyl Butyl Ketone)	P	P	E	F	P
Propyl Alcohol	E	E	E	E	E
Propyl Nitrate	P	P	G	P	P
Propylene	P	P	P	P	E
Propylene Oxide	P	P	G	P	P
P-S-661 b	F	E	P	P	E
Pydraul, 10E, 29 ELT	P	P	E	P	E
Pydraul, 115E	P	P	E	P	E
Pydraul, 230E, 312C, 540C	P	P	P	P	E
Pydraul, 30E, 50E, 65E, 90E	P	P	E	E	E
Pyranol, Transformer Oil	G	E	P	P	E
Pyridine	P	P	G	P	P
Pyroligneous Acid	G	P	G	na	P
Pyrrole	P	P	F	G	P
Radiation	G	F	G	F	F
Rapeseed Oil	G	G	E	P	E
Red Oil (MIL-H-5606)	G	E	P	P	E
RJ-1 (MIL-F-25558 B)	G	E	P	P	E
RP-1 (MIL-F-25576 C)	G	E	P	P	E
Bitmap	E	E	E	G	E
Sal Ammoniac	E	E	E	G	E
Salicylic Acid	E	G	E	na	E
Salt Water	G	E	E	E	E
Sewage	G	E	G	G	E
Silicate Esters	E	G	P	P	E
Silicone Greases	E	E	E	F	E
Silicone Oils	E	E	E	F	E
Silver Nitrate	E	G	E	E	E
Skydrol 500	P	P	E	F	P
Skydrol 7000	P	P	E	F	G
Soap Solutions	G	E	E	E	E
Soda Ash	E	E	E	E	E
Sodium Acetate (aq)	G	G	E	P	P
Sodium Bicarbonate (aq) (Baking Soda)	E	E	E	E	E
Sodium Bisulfite (aq)	E	E	E	E	E
Sodium Borate (aq)	E	E	E	E	E
Sodium Chloride (aq)	E	E	E	E	E
Sodium Cyanide (aq)	E	E	E	E	E
Sodium Hydroxide (aq)	E	G	E	G	G
Sodium Hypochlorite (aq) (Chlorox)	E	G	G	G	E
Sodium Metaphosphate (aq)	G	E	E	na	E
Sodium Nitrate (aq)	G	G	E	P	E

Sodium Perborate (aq)	G	G	E	G	E
Sodium Peroxide (aq)	G	G	E	P	G
Sodium Phosphate (aq)	G	E	E	P	E
Sodium Silicate (aq)	E	E	E	na	E
Sodium Sulfate (aq)	E	E	E	E	E
Sodium Thiosulfate (aq)	E	G	E	E	E
Soybean Oil	G	E	F	E	E
Stannic Chloride (aq)	G	E	E	G	E
Stannous Chloride (aq)	E	E	E	G	E
Steam Over 300°F	P	P	F	P	P
Steam Under 300°F	F	P	E	F	P
Stearic Acid	G	G	G	G	E
Stoddard Solvent	G	E	P	P	E
Styrene	P	P	P	P	G
Sucrose Solution	G	E	E	E	E
Sulfite Liquors	G	G	G	P	E
Sulfur	E	P	E	F	E
Sulfur Chloride (aq)	F	F	P	F	E
Sulfur Dioxide (Liquified Under Pressure)	P	P	E	G	G
Sulfur Dioxide (Dry)	P	P	E	G	G
Sulfur Dioxide (Wet)	G	P	E	G	G
Sulfur Hexafluoride	E	G	E	G	E
Sulfur Trioxide	P	P	G	G	E
Sulfuric Acid (20% Oleum)	P	P	P	P	E
Sulfuric Acid (Conc.)	P	P	F	P	E
Sulfuric Acid (Dilute)	G	F	G	P	E
Sulfurous Acid	G	G	G	P	F
Tannic Acid	E	E	E	G	E
Tar, Bituminous	F	G	F	G	E
Tartaric Acid	G	E	G	E	E
Terpineol	P	G	F	na	E
Tertiary Butyl Alcohol	G	G	G	G	E
Tertiary Butyl Catechol	G	P	G	na	E
Tertiary Butyl Mercaptan	P	P	P	P	E
Tetrabromoethane	P	P	P	P	E
Tetrabromomethane	P	P	P	P	E
Tetrabutyl Titanate	G	G	E	na	E
Tetrachloroethylene	P	P	P	P	E
Tetraethyl Lead	G	G	P	na	E
Tetrahydrofuran	P	P	F	P	P
Tetralin	P	P	P	P	G
Thionyl Chloride	P	P	F	na	G
Titanium Tetrachloride	P	G	P	P	E
Toluene	P	P	P	P	G
Toluene Diisocyanate	P	P	G	P	P
Transformer Oil	G	E	P	G	E
Transmission Fluid Type A	G	E	P	G	E
Triacetin	G	G	E	na	P
Triaryl Phosphate	P	P	E	F	E
Tributoxy Ethyl Phosphate	P	P	E	na	E
Tributyl Mercaptan	P	P	P	P	E
Tributyl Phosphate	P	P	G	P	P
Trichloroacetic Acid	P	G	G	na	P
Trichloroethane	P	P	P	P	E
Trichloroethylene	P	P	P	P	E
Tricresyl Phosphate	F	P	P	F	E
Triethanol Amine	E	G	E	na	P
Triethyl Aluminum	P	P	F	na	G
Triethyl Borane	P	P	F	na	E

Trinitrotoluene	G	P	P	na	G
Trioctyl Phosphate	P	P	E	F	G
TT-I-735 b	G	E	E	E	E
TT-N-95 a	F	E	P	P	E
TT-N-97 B	F	E	P	P	E
TT-S-735 Type I	G	E	P	P	E
TT-S-735 Type II	F	E	P	P	E
TT-S-735 Type III	F	E	P	P	E
TT-S-735 Type IV	E	E	P	F	E
TT-S-735 Type V	G	E	P	F	E
TT-S-735 Type VI	G	E	P	F	E
TT-S-735 Type VII	F	E	P	P	E
TT-T-656b	P	P	E	P	P
Tung Oil (China Wood Oil)	G	E	F	P	E
Turbine Oil	P	G	P	P	E
Turpentine	P	E	P	P	E
Unsymmetrical Dimethyl Hydrazine (UDMH)	G	G	E	P	P
Varnish	P	G	P	P	E
Vegetable Oils	F	E	F	G	E
Versilube F-50	E	E	E	F	E
Vinegar	G	G	E	E	E
Vinyl Chloride	P	P	P	na	E
VV-B-680	G	G	E	P	E
VV-G-632	E	E	P	F	E
VV-G-671c	E	E	P	F	E
VV-H-910	G	G	E	P	E
VV-I-530a\	G	E	P	F	E
VV-K-211d	F	E	P	P	E
VV-K-220a	G	E	P	P	E
VV-L-751b	G	G	P	P	E
VV-L-800	G	E	P	F	E
VV-L-820b	G	E	P	F	E
VV-L-825a Type I	E	E	P	F	E
VV-L-825a Type II	E	E	P	F	E
VV-L-825a Type III	G	G	P	P	E
VV-O-526	E	E	P	F	E
VV-P-216a	G	E	P	F	E
VV-P-236	G	G	P	P	E
Wagner 21B Brake Fluid	G	F	E	F	P
Water	E	E	E	E	E
Whiskey, Wines	E	E	E	E	E
White Oil	G	E	P	P	E
White Pine Oil	P	G	P	P	E
Wood Oil	G	E	P	P	E
Xylene	P	P	P	P	E
Xylidine (Di-methyl Aniline)	F	F	G	P	P
Zeolites	E	E	E	na	E
Zinc Acetate (aq)	G	G	E	P	P
Zinc Chloride (aq)	E	E	E	E	E
Zinc Sulfate (aq)	E	E	E	E	E