

COMPOUND SELECTION FOR COMMERCIAL FLUIDS AND CHEMICALS

The recommendations shown in this table are based on data supplied by polymer manufacturers, and comparison made with similar materials. These are general guidelines only and users must conduct their own functional tests to determine the suitability of any compound for their particular application.

RATING KEY

A - SATISFACTORY B - FAIR C - DOUBTFUL
D - UNSATISFACTORY E - INSUFFICIENT DATA

MEDIA	NITRILE	CR NEOPRENE	ETHYLENE PROPYLENE	FLUORO-CARBON	SILICONE	SBR	FLUORO-SILICONE	BUTYL	AFLAS	URETHANE	KALREZ
Acetaldehyde	D	C	A	D	B	C	D	A	D	D	A
Acetamide	A	B	A	B	B	D	A	A	B	D	A
Acetic Acid, Glacial	C	D	A	C	B	B	D	B	C	D	A
Acetic Acid, 30%	B	A	A	B	A	B	B	B	D	D	A
Acetic Anhydride	C	B	B	D	C	B	D	B	D	D	A
Acetone	D	C	A	D	C	C	D	A	D	D	A
Acetophenone	D	D	A	D	D	D	D	A	D	D	A
Acetyl Chloride	D	D	D	A	C	D	A	D	D	D	A
Acetylene	A	B	A	A	B	B	E	A	A	D	A
Acrylonitrile	D	D	D	C	D	D	E	D	B	D	A
Adipic Acid	A	A	A	E	E	A	A	A	D	E	A
Alkazene (Dibromoethyl-benzene)	D	D	D	B	D	D	B	D	B	D	A
Alum-NH3-Cr-K (aq)	A	A	A	D	A	A	D	A	A	E	E
Aluminum Acetate (aq)	B	B	A	D	D	B	D	A	A	D	A
Aluminum Chloride (aq)	A	A	A	A	B	A	A	A	A	C	A
Aluminum Fluoride (aq)	A	A	A	A	B	A	A	A	A	C	A
Aluminum Nitrate (aq)	A	A	A	A	B	A	E	A	A	C	A
Aluminum Phosphate (aq)	A	A	A	A	A	A	E	A	D	E	A
Aluminum Sulfate (aq)	A	A	A	A	A	A	A	A	A	D	A
Ammonia, Anhydrous	B	A	A	D	C	D	D	A	A	D	A
Ammonia Gas (cold)	A	A	A	D	A	A	D	A	A	E	A
Ammonia Gas (hot)	D	B	B	D	A	D	D	B	A	E	A
Ammonium Carbonate (aq)	D	A	B	E	E	A	E	A	A	D	A
Ammonium Chloride (aq)	A	A	A	A	E	A	E	A	A	A	A
Ammonium Hydroxide(conc.)	D	A	A	B	A	D	B	A	A	D	A
Ammonium Nitrate (aq)	A	A	A	E	E	B	E	A	A	E	A
Ammonium Nitrite (aq)	A	A	A	E	B	A	E	A	A	E	A
Ammonium Persulfate (aq)	D	A	A	E	E	D	E	A	A	D	A
Ammonium Phosphate (aq)	A	A	A	E	A	A	E	A	A	E	A
Ammonium Sulfate (aq)	A	A	A	D	E	A	E	A	A	E	A
Amyl Acetate(Banana Oil)	D	D	A	D	D	D	D	C	D	D	A
Amyl Alcohol	B	B	A	B	D	B	A	A	A	D	A
AmylBorate	A	A	D	A	E	D	E	D	A	E	A
Amyl Chloronaphthalene	D	D	D	A	D	D	B	D	B	E	A
Amyl Naphthalene	D	D	D	A	D	D	A	D	B	D	A
Aniline	D	D	A	C	D	D	C	A	A	D	A
Aniline Dyes	D	B	A	B	C	B	B	B	A	D	A
Aniline Hydrochloride	B	D	B	B	D	D	B	B	A	D	A
Animal Fats	A	B	B	A	B	D	A	B	A	B	A
Ansul Ether(Anesthetics)	C	D	C	D	D	D	C	C	D	B	A
Aqua Regia	D	D	C	B	D	D	C	D	B	E	A
Aroclor, 1248	C	D	C	A	B	D	B	C	A	D	A
Aroclor, 1254	D	D	C	A	C	D	B	D	A	D	A
Aroclor, 1260	A	A	A	A	B	A	A	A	A	D	A
Arsenic Acid	A	A	A	A	A	A	A	A	A	C	A
Arsenic Trichloride (aq)	A	A	C	E	E	D	E	C	D	E	A
Askarel	B	D	D	A	D	D	B	D	A	D	A
Asphalt	B	B	D	A	D	D	B	D	A	B	A
ASTM Fuel A	A	B	D	A	D	D	A	D	B	A	E
ASTM Fuel B	A	C	D	A	D	D	A	D	D	B	E
ASTM Fuel C	A	C	D	A	D	D	A	D	D	D	A
ASTM Fuel D	A	C	D	A	D	D	A	D	D	E	E
ASTM Oil One	A	A	D	A	C	D	A	D	A	A	A
ASTM Oil Two	A	B	D	A	C	D	A	D	A	B	A
ASTM Oil Three	A	B	D	A	C	D	A	D	A	B	A
Barium Chloride (aq)	A	A	A	A	A	A	A	A	A	A	A
Barium Hydroxide (aq)	A	A	A	A	A	A	A	A	A	D	A
Barium Sulfate (aq)	A	A	A	A	A	A	A	A	A	E	A
Barium Sulfide (aq)	A	A	A	A	A	B	A	A	A	A	A
Beer	A	A	A	A	A	A	A	A	A	B	A

A - SATISFACTORY B - FAIR C - DOUBTFUL
D - UNSATISFACTORY E - INSUFFICIENT DATA

MEDIA	NITRILE	CR NEOPRENE	ETHYLENE PROPYLENE	FLUORO-CARBON	SILICONE	SBR	FLUORO-SILICONE	BUTYL	AFLAS	URETHANE	KALREZ
Beet Sugar Liquors	A	B	A	A	A	A	A	A	A	D	A
Benzaldehyde	D	D	A	D	B	D	C	A	B	D	A
Benzene	D	D	D	A	D	D	C	D	C	D	A
Benzene Sulfonic Acid	D	B	C	A	D	D	B	D	D	D	A
Benzine (Ligroin) (Nitrobenzine)	A	B	D	A	D	D	A	D	B	B	A
Benzoic Acid	C	D	C	A	C	D	B	D	A	D	A
Benzoyl Chloride	D	D	D	A	E	D	B	D	A	E	A
Benzyl Alcohol	D	B	A	A	B	D	B	A	A	D	A
Benzyl Benzoate	D	D	B	A	E	D	A	B	A	D	A
Benzyl Chloride	D	D	D	A	D	D	B	D	A	D	A
Biphenyl (Phenylbenzene)	D	D	D	A	D	D	B	D	D	D	A
Bleach Solutions	D	D	A	A	B	D	B	A	A	D	A
Borax	B	A	A	A	B	B	B	A	A	A	A
Bordeaux Mixture	B	B	A	A	B	B	B	A	A	D	A
Boric Acid	A	A	A	A	A	A	A	A	A	A	A
Brine	A	A	A	A	A	A	A	A	D	B	A
Bromine, Anhydrous	D	D	D	A	D	D	B	D	E	D	A
Bromine Trifluoride	D	D	D	D	D	D	D	D	E	D	A
Bromine Water	D	D	B	A	D	D	B	C	A	D	A
Bromobenzene	D	D	D	A	D	D	A	D	D	D	A
Bunker Oil	A	D	D	A	B	D	A	D	A	B	A
Butadiene	D	D	C	A	D	D	B	D	E	D	A
Butane	A	A	D	A	D	D	A	D	B	A	A
Butter (Animal Fat)	A	B	A	A	B	D	A	B	A	A	A
Butyl Acetate	D	D	C	D	D	D	D	C	D	D	A
Butyl Acetyl Ricinoleate	C	B	A	A	E	D	B	A	A	D	A
Butyl Acrylate	D	D	D	D	E	D	D	D	D	E	A
Butyl Alcohol	A	A	B	A	B	A	B	B	A	D	A
Butyl Amine	C	D	B	D	D	D	D	C	B	D	A
Butyl Benzoate	D	D	B	A	E	B	A	B	A	E	A
Butyl Carbitol	D	C	A	A	D	D	D	A	B	E	A
Butyl Cellosolve	D	C	A	D	E	D	D	A	E	D	A
Butyl Oleate	D	D	B	A	E	D	B	B	A	E	A
Butyl Stearate	B	D	C	A	E	D	B	C	A	E	A
Butylene	B	C	D	A	D	D	B	D	A	D	A
Butyraldehyde	D	C	B	D	D	D	D	B	D	D	A
Calcium Acetate (aq)	B	B	A	D	D	D	D	A	A	D	B
Calcium Bisulfite (aq)	B	A	A	A	A	D	A	D	A	C	A
Calcium Chloride (aq)	A	A	A	A	A	A	A	A	A	A	A
Calcium Hydroxide (aq)	A	A	A	A	A	A	A	A	A	B	A
Calcium Hypochlorite(aq)	B	C	A	A	B	C	B	A	A	D	A
Calcium Nitrate (aq)	A	A	A	A	B	A	A	A	A	A	A
Calcium Sulfide (aq)	A	A	A	A	B	B	A	A	A	A	A
Cane Sugar Liquors	A	A	A	A	A	A	A	A	A	D	A
Carbamate	C	B	B	A	E	D	A	B	A	D	A
Carbitol	B	B	B	B	B	B	B	B	A	D	A
Carbolic Acid (Phenol)	D	C	B	A	D	E	A	B	A	C	A
Carbon Bisulfide	C	D	D	A	D	D	A	D	A	E	A
Carbon Dioxide	A	B	B	A	B	B	A	B	A	A	A
Carbonic Acid	B	A	A	A	A	B	A	A	A	A	A
Carbon Monoxide	A	B	A	A	A	B	B	A	A	A	A
Carbon Tetrachloride	C	D	D	A	D	D	C	D	C	D	A
Castor Oil	A	A	B	A	A	A	A	B	A	A	A
Cellosolve	D	D	B	C	D	D	D	B	A	D	A
Cellosolve Acetate	D	D	B	D	D	D	D	B	C	D	A
Cellulube (Fryquel)	D	D	A	A	E	D	C	A	B	D	A
China Wood Oil (Tung Oil)	A	B	C	A	D	D	B	C	A	C	A
Chlorine (dry)	D	C	D	A	D	D	A	D	E	E	A
Chlorine (wet)	D	C	C	A	D	D	B	C	E	E	B
Chlorine Dioxide	D	D	C	A	E	D	B	C	E	D	A
Chlorine Trifluoride	D	D	D	D	D	D	C	D	E	D	A
Chloroacetic Acid	D	D	A	D	E	D	D	B	E	E	A
Chloroacetone	D	C	A	D	D	D	D	B	D	D	A
Chlorobenzene	D	D	D	A	D	D	B	D	C	D	A
Chlorobromomethane	D	D	B	A	D	D	B	B	E	D	A
Chlorobutadiene	D	D	D	A	D	D	B	D	C	D	A
Chlorododecane	D	D	D	A	D	D	A	D	B	D	A
Chloroform	D	D	D	A	D	D	D	D	D	D	A
O-Chloronaphthalene	D	D	D	A	D	D	B	D	E	D	A
1 -Chloro 1 -Nitro Ethane	D	D	D	D	D	D	D	D	E	D	A

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MEDIA	NITRILE	CR NEOPRENE	ETHYLENE PROPYLENE	FLUORO- CARBON	SILICONE	SBR	FLUORO- SILICONE	BUTYL	AFLAS	URETHANE	KALREZ
Chlorosulfonic Acid	D	D	D	D	D	D	D	D	B	D	A
Chlorotoluene	D	D	D	A	D	D	B	D	D	D	A
Chlorox (Sodium Hypochlorite NaOCl)	B	A	B	A	B	D	B	B	A	D	A
Chrome Plating Solutions	D	D	B	A	B	D	B	B	A	D	A
Chromic Acid	D	C	C	A	C	D	C	C	E	E	A
Citric Acid	A	A	A	A	A	A	A	A	A	A	A
Coal Tar (Creosote)	A	B	D	A	D	D	A	D	E	C	A
Cobalt Chloride (aq)	A	A	A	A	B	A	A	A	A	E	A
Coconut Oil	A	B	C	A	A	D	A	C	A	C	A
Cod Liver Oil	A	B	A	A	B	D	A	A	A	A	A
CokeOvenGas	D	D	D	A	B	D	B	D	A	D	A
Copper Acetate (aq)	B	B	A	D	D	D	D	A	D	D	A
Copper Chloride (aq)	A	B	A	A	A	A	A	A	A	A	A
Copper Cyanide (aq)	A	A	A	A	A	A	A	A	B	A	A
Copper Sulfate (aq)	A	A	A	A	A	B	A	B	A	E	A
CornOil	A	C	C	A	A	D	A	C	A	A	A
Cottonseed Oil	A	B	B	A	A	D	A	C	A	A	A
Creosote (coal tar)	A	B	D	A	D	D	A	D	A	C	A
Cresol	D	C	D	A	D	D	B	D	A	E	A
Cresylic Acid	D	C	D	A	D	D	B	D	A	D	A
Cumene	D	D	D	A	D	D	B	D	C	D	A
Cyclohexane	A	C	D	A	D	D	B	D	B	A	A
Cyclohexanol	C	A	C	A	D	D	A	D	A	E	A
Cyclohexanone	D	D	B	D	D	D	D	B	C	D	A
P-Cymene	D	D	D	A	D	D	B	D	C	D	A
Decalin	D	D	D	A	D	D	A	D	B	E	A
Decane	A	D	D	A	B	D	A	D	B	B	A
Denatured Alcohol	A	A	A	A	A	A	A	A	A	D	A
Detergent Solutions	A	B	A	A	A	B	A	A	A	D	A
Developing Fluids	A	A	B	A	A	B	A	A	A	E	A
Diacetone	D	D	A	D	D	D	D	A	C	D	A
Diacetone Alcohol	D	B	A	D	B	D	D	A	C	D	A
Dibenzyl Ether	D	C	B	D	E	D	E	B	D	B	A
Dibenzyl Sebecate	D	D	B	B	C	D	C	B	A	B	A
Dibromoethyl benze ne (Alkazene)	D	D	D	B	D	D	B	D	D	D	A
Dibutyl Amine	D	D	C	D	C	D	D	D	A	D	A
Dibutyl Ether	D	C	C	C	D	D	C	C	D	B	A
Dibutyl Phthalate	D	D	B	C	B	D	C	C	B	C	A
Dibutyl Sebecate	D	D	B	B	B	D	B	B	B	D	A
O-Dichlorobenzene	D	D	D	A	D	D	B	D	D	D	A
Dichloro-Isopropyl Ether	D	D	C	C	D	D	C	D	D	B	A
Dicyclohexylamine	C	D	D	D	E	D	D	D	B	D	A
Diesel Oil	A	C	D	A	D	D	A	D	A	C	A
Diethylamine	B	B	B	D	B	B	D	B	B	C	A
Diethyl Benzene	D	D	D	A	D	D	C	D	E	E	A
Diethyl Ether	D	C	D	D	D	D	C	D	D	A	A
Diethylene Glycol	A	A	A	A	B	A	A	A	A	D	A
Diethyl Sebecate	B	D	B	B	B	D	B	B	B	D	A
Diisobutylene	B	D	D	A	D	D	C	D	B	D	A
Diisopropyl Benzene	D	D	D	A	E	D	B	D	E	E	A
Diisopropyl Ketone	D	D	A	D	D	D	D	A	D	D	A
Diisopropylidene Acetone	D	D	C	D	D	D	D	C	E	E	A
Dimethyl Aniline (Xylidine)	C	C	B	D	D	C	D	C	E	E	A
Dimethyl Ether (Methyl Ether)	A	C	D	A	A	D	A	D	E	E	A
Dimethyl Formamide	B	C	B	D	B	D	D	B	B	D	A
Dimethyl Phthalate	D	D	B	B	E	D	B	B	B	E	A
Dinitrotoluene	D	D	D	D	D	D	D	D	D	D	A
Diocetyl Phthalate	C	D	B	B	C	D	B	B	B	D	A
Diocetyl Sebecate	D	D	B	B	C	D	C	B	B	B	A
Dioxane	D	D	B	D	D	D	C	B	D	D	A
Dioxolane	D	D	B	D	D	D	D	C	D	D	A
Dipentene	A	D	D	A	D	D	C	D	C	D	A
Diphenyl (Phenylbenzene)	D	D	D	A	D	D	B	D	D	D	A
Diphenyl Oxides	D	D	D	A	C	D	B	D	B	D	A
Dowtherm Oil	D	D	D	A	C	D	B	D	E	E	A
Dry Cleaning Fluids	C	D	D	A	D	D	B	D	C	D	A
Epichlorohydrin	D	D	B	D	D	D	D	B	D	D	A
Ethane	A	B	D	A	D	D	B	D	A	C	A
Ethanolamine	B	B	B	D	B	B	D	B	A	C	A
Ethyl Acetate	D	C	B	D	B	D	D	B	D	D	A
Ethyl Acetoacetate	D	C	B	D	B	C	D	B	D	D	A
Ethyl Acrylate	D	D	B	D	B	D	D	B	D	D	A

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FLUID	NITRILE	CR NEOPRENE	ETHYLENE PROPYLENE	FLUORO- CARBON	SILICONE	SBR	FLUORO- SILICONE	BUTYL	AFLAS	URETHANE	KALREZ
Ethyl Alcohol	A	A	A	C	A	A	A	A	A	D	A
Ethyl Benzene	D	D	D	A	D	D	A	D	D	D	A
Ethyl Benzoate	D	D	A	A	D	A	A	A	C	D	A
Ethyl Cellosolve	D	D	B	D	D	D	D	D	A	D	A
Ethyl Cellulose	B	B	B	D	C	B	D	B	A	B	A
Ethyl Chloride	A	D	C	A	D	D	A	D	B	B	A
Ethyl Chlorocarbonate	D	D	B	A	D	D	B	C	B	D	A
Ethyl Chloroformate	D	D	B	D	D	D	D	C	B	D	A
Ethyl Ether	C	C	C	D	D	D	C	C	D	D	A
Ethyl Formate	D	B	B	A	E	D	A	B	A	D	A
Ethyl Mercaptan	D	C	C	B	C	D	E	D	B	E	A
Ethyl Oxalate	D	C	A	A	D	A	B	A	E	E	A
Ethyl Pentachlorobenzene	D	D	D	A	D	D	B	D	D	D	A
Ethyl Silicate	A	A	A	A	E	B	A	A	A	E	A
Ethylene	A	C	B	A	E	C	A	B	E	E	A
Ethylene Chloride	D	D	C	B	D	D	C	C	A	D	A
Ethylene Chlorohydrin	D	B	B	A	C	B	B	B	A	D	A
Ethylene Diamine	A	A	A	D	A	B	D	A	A	D	B
Ethylene Dichloride	D	D	C	A	D	D	C	C	E	D	A
Ethylene Glycol	A	A	A	A	A	A	A	A	A	B	A
Ethylene Oxide	D	D	C	D	D	D	D	C	D	D	A
Ethylene Trichloride	D	D	C	A	D	D	C	C	E	D	A
Fatty Acids	B	B	C	A	C	D	E	C	A	E	A
Ferric Chloride (aq)	A	A	A	A	B	A	A	A	A	A	A
Ferric Nitrate (aq)	A	A	A	A	C	A	A	A	A	A	A
Ferric Sulfate (aq)	A	A	A	A	B	A	A	A	A	E	A
Fish Oil	A	D	D	A	A	D	A	D	E	E	A
Fluorinated Cyclic Ethers	E	D	A	E	E	D	E	A	E	E	B
Fluorine (liquid)	D	D	D	E	D	D	E	D	E	E	A
Fluorobenzene	D	D	D	A	D	D	B	D	E	E	A
Fluoroboric Acid	A	A	A	E	E	A	E	A	E	E	A
Fluorocarbon Oils	E	B	A	E	E	B	E	A	E	E	B
Fluorolube	A	B	A	B	A	C	B	A	B	E	A
Fluorosilicic Acid	A	B	B	A	D	C	D	B	E	E	A
Formaldehyde (RT)	C	B	A	D	B	B	D	A	B	D	A
Formic Acid	B	A	A	C	B	A	C	A	E	E	A
Freon 11	B	C	D	A	D	D	B	D	D	E	B
Freon 12	A	A	B	B	D	A	C	B	D	A	B
Freon 13	A	A	A	A	D	A	D	A	D	E	B
Freon 21	D	D	D	D	D	D	E	D	D	E	A
Freon 22	D	A	A	D	D	A	D	A	D	D	B
Freon 31	D	B	A	D	E	B	E	A	D	E	B
Freon 32	A	A	A	D	E	A	E	A	D	E	B
Freon 112	B	C	D	A	D	C	E	D	D	E	B
Freon 113	A	A	C	B	D	B	D	D	D	A	B
Freon 114	A	A	A	B	D	A	B	A	D	E	B
Freon 115	A	A	A	B	E	A	E	A	D	E	B
Freon 142b	A	A	B	D	E	B	E	A	D	E	B
Freon 152a	A	A	A	D	E	A	E	A	D	E	B
Freon 218	A	A	A	A	E	A	E	A	D	E	B
Freon C316	A	A	A	E	E	A	E	A	D	E	B
Freon C318	A	A	A	B	E	A	E	A	D	E	B
Freon 13B1	A	A	A	A	D	A	E	A	D	E	B
Freon 114B2	B	B	D	B	D	C	E	D	D	E	B
Freon 502	B	A	A	B	E	A	E	A	D	E	B
Freon TF	A	A	D	B	D	C	E	D	D	A	B
Freon T-WD602	B	B	B	A	D	C	E	B	D	E	B
Freon TMC	B	C	C	A	C	D	E	C	D	E	B
Freon T-P35	A	A	A	A	A	A	E	A	E	E	B
Freon TA	A	B	B	C	C	C	E	B	E	E	B
Freon TC	A	A	B	A	D	C	E	B	E	E	B
Freon MF	A	C	D	B	D	D	E	D	D	C	B
Freon BF	B	C	D	A	D	D	E	D	D	E	B
Fuel Oil	A	B	D	A	D	D	A	D	A	B	A
Fumaric Acid	A	B	B	A	B	C	A	B	A	E	A
Furan, Furfuran	D	D	C	E	E	D	E	D	E	E	A
Furfural	D	C	B	D	D	D	E	B	E	C	A
Fyrquel (Cellulube)	D	D	A	A	E	D	C	A	E	D	A
Gallic Acid	B	B	B	A	E	B	A	B	A	D	A
Gasoline	B	C	D	A	D	D	A	D	C	B	A
Gelatin	A	A	A	A	A	A	A	A	A	D	A
Glauber's Salt (aq)	D	B	B	A	E	D	A	B	A	E	A

RATING KEY
A – SATISFACTORY B – FAIR C – DOUBTFUL
D – UNSATISFACTORY E - INSUFFICIENT DATA

MEDIA	NITRILE	CR NEOPRENE	ETHYLENE PROPYLENE	FLUORO- CARBON	SILICONE	SBR	FLUORO- SILICONE	BUTYL	AFLAS	URETHANE	KALREZ
Glucose	A	A	A	A	A	A	A	A	A	D	A
Glue	A	A	A	A	A	B	A	B	E	E	A
Glycerin	A	A	A	A	A	A	A	A	A	D	A
Glycols	A	A	A	A	A	A	A	A	A	D	A
Green Sulfate Liquor	B	B	A	A	A	B	B	A	A	D	A
Halowax Oil	D	D	D	A	D	D	A	D	A	E	A
N-Hexaldehyde	D	A	A	D	B	D	D	B	D	B	A
Hexane	A	B	D	A	D	D	A	D	B	B	A
N-Hexene-1	B	B	D	A	D	D	A	D	B	B	A
Hexyl Alcohol	A	B	C	A	B	B	B	C	A	D	A
Hydrazine	B	B	A	D	C	A	D	A	E	D	A
Hydraulic Oil(Petroleum)	A	B	D	A	C	D	A	D	A	A	A
Hydrobromic Acid	D	D	A	A	D	D	C	A	A	D	A
Hydrobromic Acid 40%	D	B	A	A	D	D	C	A	A	D	B
Hydrochloric Acid (cold) 37%	C	B	A	A	C	B	B	A	E	D	A
Hydrochloric Acid (hot) 37%	D	D	C	B	D	D	C	C	E	D	A
Hydrocyanic Acid	B	B	A	A	C	B	B	A	A	E	A
Hydrofluoric Acid (conc.) cold	D	D	C	A	D	D	D	C	A	E	A
Hydrofluoric Acid (conc.) hot	D	D	D	C	D	D	D	D	C	E	A
Hydrofluoric Acid -Anhydrous	D	D	C	D	D	D	D	C	D	E	A
Hydrofluosilicic Acid	B	B	B	A	D	C	D	B	A	E	A
Hydrogen Gas	A	A	A	A	C	A	C	A	A	A	A
Hydrogen Peroxide (90%)	D	D	B	B	B	D	B	C	A	A	A
Hydrogen Sulfide (wet) cold	D	B	A	D	C	D	C	A	A	E	A
Hydrogen Sulfide (wet) hot	D	C	A	D	C	D	C	A	B	E	A
Hydroquinone	C	D	B	B	E	D	B	B	E	E	A
Hypochlorous Acid	D	D	B	A	E	D	E	B	E	E	A
Iodine Pentafluoride	D	D	D	D	D	D	D	D	D	D	A
Iodoform	E	D	D	E	E	D	E	D	E	E	A
Isobutyl Alcohol	B	A	A	A	A	B	B	A	A	D	A
Isooctane	A	B	D	A	D	D	A	D	B	B	A
Isophorone	D	D	B	D	D	D	D	C	C	D	A
Isopropyl Acetate	D	D	B	D	D	D	D	B	D	D	A
Isopropyl Alcohol	B	B	A	A	A	B	B	A	A	D	A
Isopropyl Chloride	D	D	D	A	D	D	B	D	E	D	A
Isopropyl Ether	B	C	D	D	D	D	C	D	D	B	A
Kerosene	A	B	D	A	D	D	A	D	A	A	A
Lacquers	D	D	D	D	D	D	D	D	D	D	A
Lacquer Solvents	D	D	D	D	D	D	D	D	D	D	A
Lactic Acid (cold)	A	A	A	A	A	A	A	A	A	E	A
Lactic Acid (hot)	D	D	D	A	B	D	B	D	A	E	A
Lard	A	B	B	A	B	D	A	B	A	A	A
Lavender Oil	B	D	D	A	D	D	B	D	A	E	A
Lead Acetate (aq)	B	B	A	D	D	D	D	A	D	D	A
Lead Nitrite (aq)	A	A	A	E	B	A	A	A	E	E	A
Lead Sulfamate (aq)	B	A	A	A	B	B	A	A	A	E	A
Ligroin (Benzene) (Nitrobenzene)	A	B	D	A	D	D	A	D	B	B	A
Lime Bleach	A	B	A	A	B	B	A	A	A	E	A
Lime Sulfur	D	A	A	A	A	D	A	A	A	E	A
Lindol (Hydraulic fluid)	D	D	A	B	C	D	C	A	A	D	A
Linoleic Acid	B	D	D	B	B	D	E	D	A	E	A
Linseed Oil	A	B	C	A	A	D	A	C	A	B	A
Liquefied Petroleum Gas	A	B	D	A	C	D	C	D	C	A	A
Lubricating Oils(petroleum)	A	B	D	A	D	D	A	D	A	B	A
Lye	B	B	A	B	B	B	A	A	A	D	A
Magnesium Chloride (aq)	A	A	A	A	A	A	A	A	A	A	A
Magnesium Hydroxide (aq)	B	A	A	A	E	B	E	A	A	D	A
Magnesium Sulfate (aq)	A	A	A	A	A	B	A	A	A	E	A
Maleic Acid	D	C	B	A	E	C	E	B	A	E	A
Maleic Anhydride	D	C	B	D	E	B	E	B	A	E	A
Malic Acid	A	C	B	A	B	C	A	B	A	E	A
Mercury Chloride (aq)	A	A	A	A	E	A	E	A	A	E	A
Mercury	A	A	A	A	E	A	E	A	A	E	A
Mesityl Oxide	D	D	B	D	D	D	D	B	C	D	A
Methane	A	B	D	B	D	D	B	D	B	C	A
Methyl Acetate	D	B	A	D	D	C	D	A	D	D	A
Methyl Acrylate	D	B	B	D	D	D	D	B	E	D	A
Methylacrylic Acid	D	B	B	D	D	D	D	B	E	D	A
Methyl Alcohol	A	A	A	D	A	A	A	A	A	D	A
Methyl Bromide	B	D	D	A	E	D	A	D	A	E	A
Methyl Butyl Ketone	D	D	A	D	C	D	D	A	C	D	A
Methyl Cellosolve	C	C	B	D	D	D	D	B	E	D	A

RATING KEY
A – SATISFACTORY B – FAIR C – DOUBTFUL
D – UNSATISFACTORY E - INSUFFICIENT DATA

MEDIA	NITRILE	CR NEOPRENE	ETHYLENE PROPYLENE	FLUORO- CARBON	SILICONE	SBR	FLUORO- SILICONE	BUTYL	AFLAS	URETHANE	KALREZ
Methyl Chloride	D	D	C	B	D	D	B	C	E	D	A
Methyl Cyclopentane	D	D	D	B	D	D	B	D	B	D	A
Methylene Chloride	D	D	C	B	D	D	B	D	E	D	A
Methyl Ether	A	C	D	A	A	D	A	D	C	E	A
Methyl Ethyl Ketone	D	C	A	D	D	D	D	B	D	D	A
Methyl Formate	D	B	B	E	E	D	E	B	E	E	A
Methyl Isobutyl Ketone	D	D	B	D	D	D	D	C	D	D	A
Methyl Methacrylate	D	D	C	D	D	D	D	D	E	E	A
Methyl Oleate	D	D	B	B	E	D	B	B	A	E	A
Methyl Salicylate	D	D	B	E	E	C	E	B	E	E	A
Milk	A	A	A	A	A	A	A	A	A	D	A
Mineral Oil	A	B	C	A	B	D	A	C	A	A	A
Monochlorobenzene	D	D	D	A	D	D	B	D	D	D	A
Monomethyl Aniline	D	D	B	B	E	D	E	B	E	D	A
Monoethanol Amine	D	D	A	D	B	B	D	B	A	D	D
Monomethyl Ether	A	C	D	A	A	D	A	D	E	E	A
Monovinyl Acetylene	A	B	A	A	B	B	E	B	A	E	A
Mustard Gas	E	A	A	E	A	B	E	A	E	E	A
Naphtha	B	C	D	A	D	D	B	D	B	B	A
Naphthalene	D	D	D	A	D	D	A	D	C	B	A
Naphthalenic Acid	B	D	D	A	D	D	A	D	B	E	A
Natural Gas	A	A	D	A	A	A	C	D	A	B	A
Neats Foot Oil	A	D	B	A	B	D	A	B	A	A	A
Neville Acid	D	D	B	A	D	D	B	B	A	E	A
Nickel Acetate (aq)	B	B	A	D	D	D	D	A	D	D	A
Nickel Chloride (aq)	A	A	A	A	A	A	A	A	A	C	A
Nickel Sulfate (aq)	A	A	A	A	A	B	A	A	A	C	A
Niter Cake	A	A	A	A	A	A	A	A	A	A	A
Nitric Acid (conc.)	D	D	D	C	D	D	C	D	B	D	A
Nitric Acid (dilute)	D	B	B	A	B	D	B	B	E	D	A
Nitric Acid - Red Fuming	D	D	D	D	D	D	D	D	C	E	A
Nitrobenzene	D	D	A	B	D	D	D	A	E	D	A
Nitrobenzene (ligroin)	A	B	D	A	D	D	A	D	E	D	E
Nitroethane	D	C	B	D	D	B	D	B	E	D	A
Nitrogen	A	A	A	A	A	A	A	A	A	A	A
Nitrogen Tetroxide	D	D	C	D	D	D	D	C	E	D	B
Nitromethane	D	B	B	D	D	B	D	B	E	D	A
Octachlorotoluene	D	D	D	A	D	D	B	D	C	D	A
Octadecane	A	B	D	A	D	D	A	D	B	A	A
N-Octane	B	B	D	A	D	D	B	D	B	D	A
Octyl Alcohol	B	A	C	A	B	B	B	C	A	D	A
Oleic Acid	C	C	D	B	D	D	E	D	A	B	A
Oleum Spirits	B	C	D	A	D	D	B	D	A	C	A
Olive Oil	A	B	B	A	C	D	A	B	A	A	A
O-Dichlorobenzene	D	D	D	A	D	D	B	D	D	D	A
Oxalic Acid	B	B	A	A	B	B	A	A	A	E	A
Oxygen - Cold	B	A	A	A	A	B	A	A	A	A	A
Oxygen - (200-400°F)	D	D	C	B	B	D	D	B	E	D	A
Ozone	D	C	A	A	A	D	B	D	A	A	A
Paint Thinner, Duco	D	D	D	B	D	D	B	D	B	D	A
Palmitic Acid	A	B	B	A	D	B	A	B	A	A	A
Peanut Oil	A	C	C	A	A	D	A	C	A	B	A
Perchloric Acid	D	B	B	A	D	D	A	B	A	D	A
Perchloroethylene	B	D	D	A	D	D	B	D	E	D	A
Petroleum - below 250°F	A	B	D	A	B	D	B	D	A	B	A
Petroleum - above 250°F	D	B	D	B	D	D	D	D	B	D	A
Phenol (Carbolic Acid)	D	C	B	A	D	E	A	B	E	D	A
Phenylbenzene (Biphenyl)	D	D	D	A	D	D	B	D	D	D	A
Phenyl Ethyl Ether	D	D	D	D	D	D	D	D	D	D	A
Phenyl Hydrazine	D	D	B	A	E	B	E	B	A	E	A
Phorone(Diisopropylidene Acetone)	D	D	C	D	D	D	D	C	D	D	A
Phosphoric Acid - 20%	B	B	A	A	B	B	B	B	A	D	A
Phosphoric Acid - 45%	D	B	A	A	C	C	B	B	A	D	A
Phosphorus Trichloride	D	D	A	A	E	D	A	A	A	E	A
Pickling Solution	D	D	C	B	D	D	D	C	B	D	A
Picric Acid	B	A	B	A	D	B	B	B	A	E	A
Pinene	B	C	D	A	D	D	B	D	A	B	A
Pine Oil	A	D	D	A	D	D	A	D	A	E	A
Piperidine	D	D	A	D	D	D	D	D	E	D	A
Plating Solution - Chrome	E	D	A	A	D	D	E	A	E	E	A
Plating Solution - Others	A	D	A	A	D	D	E	A	E	E	A
Polyvinyl Acetate Emulsion	E	B	A	E	E	D	E	A	E	E	A

RATING KEY
A – SATISFACTORY B – FAIR C – DOUBTFUL
D – UNSATISFACTORY E - INSUFFICIENT DATA

MEDIA	NITRILE	CR NEOPRENE	ETHYLENE PROPYLENE	FLUORO- CARBON	SILICONE	SBR	FLUORO- SILICONE	BUTYL	AFLAS	URETHANE	KALREZ
Potassium Acetate (aq)	B	B	A	D	D	D	D	A	E	D	A
Potassium Chloride (aq)	A	A	A	A	A	A	A	A	A	A	A
Potassium Cupro Cyanide (aq)	A	A	A	A	A	A	A	A	A	A	A
Potassium Cyanide (aq)	A	A	A	A	A	A	A	A	A	A	A
Potassium Dichromate(aq)	A	A	A	A	A	B	A	A	A	B	A
Potassium Hydroxide (aq)	B	B	A	D	C	B	C	A	A	D	A
Potassium Nitrate (aq)	A	A	A	A	A	A	A	A	A	A	A
Potassium Sulfate (aq)	A	A	A	A	A	A	A	A	A	A	A
Producer Gas	A	B	D	A	B	D	B	D	A	A	A
Propane	A	B	D	A	D	D	B	D	A	C	A
i-Propyl Acetate	D	D	B	D	D	D	D	B	D	D	A
n-Propyl Acetate	D	D	B	D	D	D	D	B	D	E	A
Propyl Acetone (Methyl Butyl Ketone)	D	D	A	D	C	D	D	A	C	D	A
Propyl Alcohol	A	A	A	A	A	A	A	A	A	D	A
Propyl Nitrate	D	D	B	D	D	D	D	B	E	E	A
Propylene	D	D	D	A	D	D	B	D	A	D	A
Propylene Oxide	D	D	B	D	D	D	D	B	D	D	A
Pydraul, 10E, 29 ELT	D	D	A	A	D	D	D	A	A	D	A
Pydraul, 30E, 50E, 65E, 90E	D	D	A	A	A	D	A	A	A	D	A
Pydraul, 115E	D	D	A	A	D	D	C	A	A	D	A
Pydraul, 230E, 312C, 540C	D	D	D	A	D	D	D	D	A	D	A
Pyranol, Transformer Oil	A	B	D	A	D	D	A	D	A	B	A
Pyridine	D	D	B	D	D	D	D	B	E	E	A
Pyroligneous Acid	D	B	B	D	E	D	D	B	E	D	A
Pyrrole	D	D	C	D	B	C	C	D	E	E	A
Radiation	C	B	B	D	C	C	D	D	A	D	A
Rapeseed Oil	B	B	A	A	D	D	A	A	A	B	A
Red Oil (MIL-H-5606)	A	B	D	A	D	D	A	D	A	A	A
RJ-1 (MIL-F-25558 B)	A	B	D	A	D	D	A	D	A	A	A
RP-1 (MIL-F-25576 C)	A	B	D	A	D	D	A	D	A	A	A
Sal Ammoniac	A	A	A	A	B	A	A	A	A	A	A
Salicylic Acid	B	A	A	A	E	B	A	A	A	E	A
Salt Water	A	B	A	A	A	A	A	A	A	B	A
Sewage	A	B	B	A	B	B	A	B	A	D	A
Silicate Esters	B	A	D	A	D	D	A	D	A	A	A
Silicone Greases	A	A	A	A	C	A	A	A	A	A	A
Silicone Oils	A	A	A	A	C	A	A	A	A	A	A
Silver Nitrate	B	A	A	A	A	A	A	A	A	A	A
Skydrol 500	D	D	A	D	C	D	C	B	B	D	A
Skydrol 7000	D	D	A	B	C	D	C	A	A	E	A
Soap Solutions	A	B	A	A	A	A	A	A	A	D	A
Soda Ash	A	A	A	A	A	A	A	A	A	E	A
Sodium Acetate (aq)	B	B	A	D	D	D	D	A	D	C	A
Sodium Bicarbonate (aq) (Baking Soda)	A	A	A	A	A	A	A	A	A	E	A
Sodium Bisulfite (aq)	A	A	A	A	A	B	A	A	A	E	A
Sodium Borate (aq)	A	A	A	A	A	A	A	A	A	E	A
Sodium Chloride (aq)	A	A	A	A	A	A	A	A	A	A	A
Sodium Cyanide (aq)	A	A	A	A	A	A	A	A	A	E	A
Sodium Hydroxide (aq)	B	A	A	B	B	A	B	A	A	B	A
Sodium Hypochlorite (aq) (Chlorox)	B	A	B	A	B	D	B	B	A	D	A
Sodium Metaphosphate(aq)	A	B	A	A	E	A	A	A	A	E	A
Sodium Nitrate (aq)	B	B	A	E	D	A	E	A	A	E	A
Sodium Perborate (aq)	B	B	A	A	B	B	A	A	A	E	A
Sodium Peroxide (aq)	B	B	A	A	D	B	A	A	A	D	A
Sodium Phosphate (aq)	A	B	A	A	D	A	E	A	A	A	A
Sodium Silicate (aq)	A	A	A	A	E	A	E	A	A	E	A
Sodium Sulfate (aq)	A	A	A	A	A	B	A	A	A	A	A
Sodium Thiosulfate (aq)	B	A	A	A	A	B	A	A	A	A	A
Soybean Oil	A	B	C	A	A	D	A	C	A	E	A
Stannic Chloride (aq)	A	B	A	A	B	A	A	A	A	E	A
Stannous Chloride (aq)	A	A	A	A	B	A	A	A	A	E	A
Steam, under 300°F	D	C	A	D	C	D	D	B	A	D	A
Steam, over 300°F	D	D	C	D	D	D	D	D	A	D	A
Stearic Acid	B	B	B	E	B	B	E	B	A	E	A
Stoddard Solvent	A	B	D	A	D	D	A	D	B	A	A
Styrene	D	D	D	B	D	D	C	D	E	E	A
Sucrose Solution	A	B	A	A	A	A	A	A	A	D	A
Sulfite Liquors	B	B	B	A	D	B	B	B	E	E	A
Sulfur	D	A	A	A	C	D	A	A	A	E	A
Sulfur Chloride (aq)	C	C	D	A	C	D	A	D	A	E	A
Sulfur Dioxide (Dry)	D	D	A	A	B	B	B	B	E	E	A
Sulfur Dioxide (Wet)	D	B	A	A	B	D	B	A	E	E	A

RATING KEY
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D – UNSATISFACTORY E - INSUFFICIENT DATA

MEDIA	NITRILE	CR NEOPRENE	ETHYLENE PROPYLENE	FLUORO- CARBON	SILICONE	SBR	FLUORO- SILICONE	BUTYL	AFLAS	URETHANE	KALREZ
Sulfur Dioxide (liquified under pressure)	D	D	A	A	B	D	B	B	E	E	A
Sulfur Hexafluoride	B	A	A	A	B	D	B	A	C	E	A
Sulfur Trioxide	D	D	B	A	B	B	B	B	A	E	A
Sulfuric Acid (dilute)	C	B	B	A	D	C	C	B	A	D	A
Sulfuric Acid (conc.)	D	D	C	B	D	D	D	D	A	D	A
Sulfuric Acid (20% Oleum)	D	D	D	A	D	D	D	D	E	D	A
Sulfurous Acid	B	B	B	A	D	B	E	B	A	C	A
Tannic Acid	A	A	A	A	B	B	E	A	A	E	A
Tar, Bituminous	B	C	C	A	B	D	A	C	A	E	A
Tartaric Acid	A	B	B	A	A	D	A	B	A	A	A
Terpineol	B	D	C	A	E	D	A	C	A	B	A
Tertiary Butyl Alcohol	B	B	B	A	B	B	B	B	A	D	A
Tertiary Butyl Catechol	D	B	B	A	E	B	A	B	A	D	A
Tertiary Butyl Mercaptan	D	D	D	A	D	D	E	D	E	D	A
Tetrabromoethane	D	D	D	A	D	D	B	D	E	E	A
Tetrabromomethane	D	D	D	A	D	D	B	D	E	E	A
Tetrabutyl Titanate	B	B	A	A	E	B	A	B	A	E	A
Tetrachloroethylene	D	D	D	A	D	D	B	D	E	D	A
Tetraethyl Lead	B	B	D	A	E	D	B	D	E	E	A
Tetrahydrofuran	D	D	B	D	D	D	D	C	D	C	A
Tetralin	D	D	D	A	D	D	A	D	E	E	A
Thionyl Chloride	D	D	C	B	E	D	E	D	E	E	A
Titanium Tetrachloride	B	D	D	A	D	D	B	D	E	D	A
Toluene	D	D	D	A	D	D	B	D	C	D	A
Toluene Diisocyanate	D	D	B	D	D	D	D	B	D	E	A
Transformer Oil	A	B	D	A	B	D	A	D	A	A	A
Transmission Fluid Type A	A	B	D	A	B	D	A	D	A	A	A
Triacetin	B	B	A	D	E	B	D	A	E	D	A
Triaryl Phosphate	D	D	A	A	C	D	B	A	A	D	A
Tributoxy Ethyl Phosphate	D	D	A	A	E	B	B	A	A	D	A
Tributyl Mercaptan	D	D	D	A	D	D	C	D	E	E	A
Tributyl Phosphate	D	D	B	D	D	D	D	B	E	D	A
Trichloroacetic Acid	B	D	B	C	E	B	D	B	C	D	A
Trichloroethane	D	D	D	A	D	D	B	D	E	D	A
Trichloroethylene	D	D	D	A	D	D	B	D	E	D	A
Tricresyl Phosphate	D	C	A	A	C	A	B	A	A	D	A
Triethanol Amine	B	A	A	D	E	B	D	B	A	D	A
Triethyl Aluminum	D	D	C	B	E	D	E	C	E	E	A
Triethyl Borane	D	D	C	A	E	D	E	C	E	E	A
Trinitrotoluene	D	B	D	B	E	D	B	D	E	E	A
Trioctyl Phosphate	D	D	A	B	C	D	B	A	A	D	A
Tung Oil (China Wood Oil)	A	B	C	A	D	D	B	C	A	C	A
Turbine Oil	B	D	D	A	D	D	B	D	A	A	A
Turpentine	A	D	D	A	D	D	D	D	A	D	A
Unsymmetrical Dimethyl Hydrazine (UDMH)	B	B	A	D	D	A	D	A	E	E	A
Varnish	B	D	D	A	D	D	B	D	E	C	A
Vegetable Oils	A	C	C	A	B	D	A	C	A	E	A
Versilube F-50	A	A	A	A	C	A	A	A	A	A	A
Vinegar	B	B	A	A	A	B	C	A	A	D	A
Vinyl Chloride	D	D	D	A	E	D	E	D	E	E	A
Wagner 21B Brake Fluid	C	B	A	D	C	A	D	B	A	E	A
Water	A	A	A	A	A	A	A	A	A	D	A
Whiskey, Wines	A	A	A	A	A	A	A	A	A	D	A
White Pine Oil	B	D	D	A	D	D	A	D	A	E	A
White Oil	A	B	D	A	D	D	A	D	A	A	A
Wood Oil	A	B	D	A	D	D	B	D	A	C	A
Xylene	D	D	D	A	D	D	A	D	B	D	A
Xylidine (Di-methyl Aniline)	C	C	B	D	D	C	D	C	E	E	A
Zeolites	A	A	A	A	E	A	A	A	A	E	A
Zinc Acetate (aq)	B	B	A	D	D	D	D	A	D	D	A
Zinc Chloride (aq)	A	A	A	A	A	A	A	A	A	E	A
Zinc Sulfate (aq)	A	A	A	A	A	B	A	A	A	E	A