

Chemical Resistance Chart

	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Acetal	D	B	D	-	A	B
Acetaldehyde	D	A	D	B	A	A
Acetamide	A	A	B	-	A	A
Acetate Solvents	D	A	D	-	A	C
Acetic Acid, 10%	B	A	C	-	A	B
Acetic Acid, 30%	D	A	C	-	A	B
Acetic Acid, 50%	D	A	D	-	A	B
Acetic Acid, Glacial	D	A	D	-	A	B
Acetic Anhydride	D	B	D	D	A	B
Acetic Ester (Ethyl Acetate)	D	A	D	-	A	B
Acetic Ether (Ethyl Acetate)	D	A	D	-	A	B
Acetic Oxide (Acetic Anhydride)	D	B	D	-	A	B
Acetone	D	A	D	D	A	B
Acetophenome	D	A	D	-	A	A
Acetyl Acetone	C	B	D	-	A	B
Acetyl Chloride	D	C	B	C	A	C
Acetylene	A	B	A	-	A	A
Acrylonitrile	D	D	D	-	A	D
Air	A	A	A	A	A	A
Alcohol Aliphatic	A	A	C	-	B	A
Alcohol, Aromatic	C	D	A	-	A	D
Alk-Tri (Trichloroethylene)	D	D	A	-	A	D
Allyl Alcohol	A	A	B	-	A	A
Allyl Bromide	D	D	B	-	A	D
Allyl Chloride	D	D	A	-	A	D
Alum (Alum Potassium Sulfate)	A	A	A	-	A	A
Aluminum Acetate	C	A	A	-	A	A
Aluminum Chloride	A	A	A	B	A	A
Aluminum Fluoride	A	A	A	-	A	A
Aluminum Hydroxide	A	A	A	-	A	A
Aluminum Phosphate	A	A	A	-	A	A
Aluminum Nitrate	A	A	A	-	A	A
Aluminum Sulfate	A	A	A	A	A	A
Ammonia, Liquid	B	A	A	-	A	A
Ammonia in Water	C	A	B	-	A	B
Ammonium Carbonate	C	A	A	C	A	A
Ammonium Chloride	A	A	A	C	A	A
Ammonium Hydroxide	B	A	B	A	A	A
Ammonium Metaphosphate	A	A	A	-	A	A
Ammonium Nitrate	A	A	A	C	A	A
Ammonium Persulfate	D	B	A	A	A	A
Ammonium Phosphate	A	A	A	-	A	A
Ammonium Sulfate	A	A	A	A	A	A
Ammonium Sulfide	A	A	A	-	A	A
Ammonium Sulfite	A	A	A	-	A	A
Ammonium Thiocyanate	A	A	A	-	A	A
Ammonium Thiosulfate	A	A	A	-	A	A
Amyl Acetate	D	A	A	D	A	B

	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Amyl Acetone	D	B	D	-	A	B
Amyl Alcohol	A	A	A	D	A	A
Amyl Borate	A	D	A	-	A	D
Amyl Chloride	D	D	A	D	A	D
Amyl Chloronaphthalene	D	D	A	-	A	D
Amyl Naphthalene	D	D	A	-	A	D
Amyl Oleate	D	B	C	-	A	B
Amyl Phenol	D	D	A	-	A	D
Anethole	D	D	B	-	A	D
Aniline	D	D	B	B	B	B
Aniline Dyes	D	B	B	-	A	B
Aniline Hydrochloride	B	B	B	-	A	B
Animal Fats	A	C	A	-	A	C
Animal Grease	A	C	A	-	A	D
Animal Oils	A	C	A	-	A	C
Ansul Ether	D	C	D	-	A	D
Antifreeze	A	A	A	-	A	A
Antimony Chloride	A	D	A	-	A	B
Antimony Pentachloride	B	D	A	-	A	D
Aqua Regia	D	B	A	-	A	C
Aromatic Hydrocarbons	D	D	A	-	A	D
Arquad	A	A	A	-	A	A
Arsenic Acid	A	A	A	-	A	A
Arsenic Chloride	C	D	D	-	A	D
Arsenic Trichloride	A	D	D	-	A	D
Asphalt	B	D	A	-	A	D
ASTM #1 Oil	A	D	A	-	A	D
ASTM #2 Oil	A	D	A	-	A	D
ASTM #3 Oil	A	D	A	-	A	D
Aviation Gasoline	A	D	A	-	A	D
Barium Carbonate	A	A	A	-	A	A
Barium Chloride	A	A	A	-	A	A
Barium Hydroxide	A	A	A	-	A	A
Barium Sulfate	A	A	A	-	A	A
Barium Sulfide	A	A	A	-	A	A
Beer	A	A	A	-	A	A
Beet Sugar Liquor	A	A	A	-	A	A
Benzaldehyde	D	A	D	-	A	B
Benzene (Benzol)	D	D	A	-	A	D
Benzene Sulphonic Acid	D	D	A	D	A	D
Benzene Solvent (Ligroin)	A	D	A	-	A	D
Benzoic Acid	D	D	A	-	A	D
Benzoic Aldehyde	D	A	D	-	A	B
Benzotrithloride	-	-	-	-	A	-
Benzoyl Chloride	D	D	B	-	A	D
Benzyl Acetate	D	B	D	-	A	B
Benzyl Alcohol	D	B	A	-	A	B
Benzyl Chloride	D	D	A	-	A	D

*PTFE includes Tuf-Flex®, GYLON BIO-PRO® and GYLON® BIO-PRO PLUS™ | **Butyl includes Bromobutyl and Chlorobutyl

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	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Bichromate of Soda (Sodium Dichromate)	A	A	A	-	A	A
Black Sulfate Liquor	A	A	A	-	A	A
Blast Furnace Gas	C	C	A	-	A	C
Bleach Solutions	D	B	B	-	A	B
Borax	A	A	A	-	A	A
Bordeaux Mixture	A	A	A	-	A	A
Brandy	FDA TUBE REQUIRED					
Brine	A	A	A	-	A	A
Bromine	D	D	A	D	A	D
Bromine Water	C	C	A	-	A	C
Bromobenzene	D	D	B	-	A	D
Bunker Oil	A	D	A	-	A	D
Butanol	A	A	A	B	A	A
Butane	A	D	A	D	A	D
Butter	A	A	A	-	-	A
Butyl Acetate	D	A	D	D	A	B
Butyl Acrylate	D	D	D	-	A	D
Butylamine	C	C	D	-	A	C
Butyl Benzene	D	D	A	-	-	D
Butyl Bromide	D	D	B	-	-	D
Butyl Butyrate	D	B	C	-	-	C
Butyl Carbitol	B	A	A	-	-	A
Butyl Cellosolve	B	A	D	-	-	A
Butyl Chloride	D	D	A	-	A	C
Butyl Ether	B	C	D	-	A	C
Butyl Ethyl Acetaldehyde	D	D	D	-	-	C
Butyl Ethyl Ether	D	C	C	-	A	C
Butyl Oleate	D	B	A	-	-	B
Butyl Phthalate	D	A	C	-	-	C
Butyl Stearate	B	C	A	-	A	C
Butyraldehyde	D	D	D	-	A	D
Butyric Acid	C	C	C	D	A	C
Butyric Anhydride	C	C	C	-	A	C
Calcium Acetate	D	A	D	-	A	A
Calcium Bisulfate	A	B	A	-	A	B
Calcium Bisulfite	A	A	A	-	A	A
Calcium Carbonate	A	A	A	-	A	A
Calcium Chloride	A	A	A	-	A	A
Calcium Hydroxide	A	A	A	-	A	A
Calcium Hypochlorite	D	A	A	-	A	A
Calcium Nitrate	A	A	A	-	A	A
Calcium Oxide	-	-	-	A	-	-
Calcium Salts	-	-	-	B	-	-
Calcium Sulfate	A	A	A	-	A	A
Calcium Sulfide	A	A	A	-	A	A
Calcium Sulfite	A	A	A	-	A	A
Caliche Liquor	A	A	A	-	A	A
Cane Sugar Liquors	A	A	A	-	A	A

	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Carbitol	B	B	A	-	-	A
Carbitol Acetate	D	B	D	-	-	B
Carbolic Acid	C	A	A	-	A	C
Carbon Bisulfide	D	D	A	-	A	D
Carbon Dioxide	A	A	A	B	A	A
Carbon Disulfide	D	D	A	-	A	D
Carbonic Acid	A	A	A	-	A	A
Carbon Monoxide	C	C	A	-	A	C
Carbon Tetrachloride	C	D	A	D	A	D
Carbon Tetrafluoride	C	D	-	-	A	D
Castor Oil	A	A	A	-	A	A
Caustic Potash	A	A	C	-	A	A
Caustic Soda	B	A	C	-	-	A
Cellosolve	D	A	C	-	A	A
Cellulose Acetate	D	B	D	-	A	B
Cellulose	D	A	C	-	-	B
China Wood Oil	A	A	C	-	A	A
Chlorine Dioxide	D	D	A	-	-	D
Chlorine Gas	D	D	A	-	A	D
Chlorine Water Solns	D	D	C	-	A	D
Chloroacetic Acid	C	A	D	-	A	D
Chloroacetone	D	D	D	-	-	B
Chlorobenzene	D	D	A	D	A	D
Chlorobutane	D	D	A	-	-	D
Chlorobutadiene	D	D	A	-	-	D
Chloroform	D	D	A	D	A	D
Chlorinated Hydrocarbon	D	D	A	-	A	D
Chloropentane	D	D	A	-	-	D
Chlorophenol	D	D	A	-	A	D
Chloropropanone	D	C	D	-	A	C
Chlorosulfonic Acid	C	D	D	D	-	D
Chlorothene	D	D	A	-	A	D
Chlorotoluene	D	D	A	-	A	D
Chromic Acid	D	C	C	D	A	C
Citric Acid	B	A	A	-	A	A
Coal Oil	A	D	A	-	-	D
Coal Tar	A	B	A	-	A	D
Coal Tar Naptha	C	D	A	-	A	D
Cobalt Chloride	A	A	A	-	-	A
Coconut Oil	A	A	A	-	A	B
Cod Liver Oil	A	A	A	-	A	A
Coke Oven Gas	C	D	D	-	A	C
Copper Arsenate	A	A	A	-	A	A
Copper Chloride	A	A	A	-	A	A
Copper Cyanide	A	A	A	-	A	A
Copper Nitrate	A	A	A	-	A	A
Copper Nitrite	A	A	A	-	A	A
Copper Sulfate	A	A	A	-	A	B

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Copper Sulfide	A	A	A	-	A	A
Corn Oil	A	C	A	-	A	A
Cottonseed Oil	A	C	A	-	A	A
Creosote (Coal Tar)	A	D	B	-	A	D
Creosote (Wood)	A	D	A	-	A	D
Creosols	C	D	A	-	A	C
Cresylic Acid	C	D	A	-	A	D
Crude Oil	A	D	A	-	A	D
Cumene	C	D	A	-	A	D
Cupric Carbonate	B	A	A	-	A	A
Cupric Chloride	A	A	A	-	A	A
Cupric Nitrate	A	A	A	-	A	A
Cupric Nitrite	A	A	A	-	A	A
Cupric Sulfate	A	A	A	-	A	A
Cyclohexane	B	D	A	D	A	D
Cyclohexanone	D	D	C	D	A	D
Cyclohexanol	B	D	B	-	A	D
Cyclopentane	C	D	A	-	A	D
P-Cymene	C	D	A	-	A	D
DDT in Kerosene	A	D	A	-	A	D
Decaline	D	D	A	-	A	D
Decane	B	D	A	-	-	D
Detergent Solutions	A	A	A	-	A	A
Diacetone Alcohol	D	B	D	-	A	A
Dibenzyl Ether	D	D	C	-	A	B
Dibenzylsebacate	D	B	B	-	A	B
Dibromobenzene	D	D	A	-	A	D
Dibutylamine	D	D	D	C	A	D
Dibutyl Ether	D	B	C	-	A	D
Dibutyl Phthalate	D	A	D	-	A	B
Dibutyl Sebacate	D	B	B	-	A	B
Dicalcium Phosphate	A	A	A	-	A	A
Dichloroacetic Acid	D	C	C	-	A	C
P-Dichlorobenzene	D	D	A	-	A	D
Dichlorobutane	D	D	A	-	A	D
Dichloroisopropyl Ether	D	C	C	-	-	C
Dichlorodifluoromethane (Freon 12)	A	D	A	-	A	D
Dichloroethane	D	D	A	-	A	C
Dichloroethylene	D	D	A	-	A	D
Dichloroethyl Ether	D	D	C	-	A	D
Dichlorohexane	D	D	A	-	A	D
Dichloromethane	D	D	A	-	A	D
Dichloropentane	D	D	A	-	A	D
Dieldrin in Xylene	D	D	A	-	-	D
Dieldrin in Xylene & Water Spray	B	D	A	-	-	D
Diesel Oil	A	D	A	-	A	D
Diethanolamine	B	A	D	-	A	A
Diethylamine	C	B	D	-	A	B

	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Diethyl Benzene	D	D	A	-	A	D
Diethyl Ether	B	D	D	-	-	D
Diethylene Dioxide	D	B	D	-	A	B
Diethyl Oxalate	D	A	C	-	A	C
Diethyl Phthalate	D	C	C	-	A	A
Diethyl Sebacate	D	C	B	-	A	A
Diethyl Sulfate	D	A	A	-	A	B
Diethyl Triamine	B	B	C	-	A	A
Dihydroxyethyl Ether	A	B	A	-	A	A
Diisobutylene	A	D	A	-	A	D
Diisobutyl Ketone	D	A	D	-	A	B
Diioodecyl Adipate	D	A	C	-	A	A
Diisodecyl Phthalate	D	A	C	-	A	A
Diisooctyl Adipate	D	A	C	-	A	A
Diisooctyl Phthalate	D	B	B	-	A	B
Diisopropanol Amine	B	A	C	-	A	A
Diisopropyl Benzene	C	D	A	-	A	D
Diisopropyl Ether	B	D	B	-	A	D
Diisopropyl Ketone	D	A	D	-	A	D
Dilauryl Ether	C	D	C	-	A	D
Dimethyl Benzene	D	D	A	-	A	D
Dimethylaniline	D	C	D	-	A	D
Dimethylformamide (DMF)	D	C	D	-	A	C
Dimethyl Ketone (Acetone)	D	A	D	-	A	A
Dimethyl Phthalate	D	B	C	-	A	A
Dimethyl Sulfate	D	D	D	-	A	B
Dimethyl Sulfide	D	D	C	-	A	C
Dinitrobenzene	D	C	A	-	A	C
Dinitrotoluene	D	D	B	-	A	D
Diocetyl Adipate (DOA)	D	B	C	-	A	A
Diocetyl Phthalate (DOP)	D	B	B	-	A	B
Diocetyl Sebacate (DOS)	D	B	B	-	A	B
Dioxane	D	B	D	-	A	B
Dioxolane	D	B	C	-	A	C
Dipentene (Limonene)	C	D	A	-	A	D
Diphenyl (Biphenyl)	D	D	A	-	-	D
Dipropyl Ketone	D	B	D	-	A	B
Disodium Phosphate	A	A	A	-	A	A
Divinyl Benzene	D	D	A	-	A	D
D.M.P. (Dimethyl Phenols)	D	D	D	-	A	D
Dodecyl Benzene	D	D	A	-	A	D
Diphenyl Oxide (Phenylether)	D	D	A	-	-	D
Dipropylene Glycol	A	A	A	-	A	A
Dodecyl Toluene	D	D	A	-	A	D
Dowdume W 40, 100%	D	C	C	-	-	D
Dow-Per (Perchloroethylene)	C	D	A	-	A	D
Dowtherm Oil, A & E	D	D	A	-	A	D
Dowtherm S.R.I.	A	A	A	-	A	A

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Dry Cleaning Fluids	C	D	A	-	-	D
Epichlorohydrin	D	B	D	-	A	C
Ethanol (Ethyl Alcohol)	A	A	C	B	A	A
Ethers	C	D	D	D	A	C
Ethyl Acetate	D	A	D	D	A	B
Ethyl Acetoacetate	D	B	D	-	A	B
Ethyl Acrylate	D	D	D	-	A	C
Ethyl Benzene	C	D	A	-	A	D
Ethyl Benzoate	B	B	C	-	-	B
Ethyl Butyl Alcohol	A	A	B	-	A	A
Ethyl Butyl Ketone	D	B	D	-	A	B
Ethyl Cellulose	B	B	D	-	A	B
Ethyl Chloride	D	A	B	D	A	A
Ethyl Dichloride	D	D	B	-	A	D
Ethylene	A	D	A	-	-	D
Ethylene Bromide	D	D	A	-	A	D
Ethylene Chloride	D	D	A	-	A	D
Ethylene Dibromide	D	D	B	-	A	D
Ethylene Dichloride	D	D	B	D	A	D
Ethylene Glycol	A	A	A	A	A	A
Ethylene Oxide	D	C	D	D	A	C
Ethylene Trichloride (Trichloroethylene)	C	D	A	-	A	D
Ethyl Ether	C	D	D	-	A	D
Ethyl Formate	D	C	D	-	A	B
Ethyl Hexanol	A	A	B	-	A	A
Ethyl Methyl Ketone	D	B	D	-	A	B
Ethyl Ozalate	D	B	C	-	A	A
Ethyl Phthalate	D	B	C	-	A	A
Ethyl Propyl Ether	D	D	C	-	-	D
Ethyl Propyl Ketone	D	B	D	-	A	B
Ethyl Silicate	A	A	A	-	A	A
Ethyl Sulfate	D	B	D	-	A	B
EX TRI (Trichlorethylene)	C	D	A	-	A	D
Fatty Acids	B	C	A	C	A	D
Ferric Bromide	A	A	A	-	A	A
Ferric Chloride	A	A	A	B	A	A
Ferric Nitrate	A	A	A	-	A	A
Ferric Sulfate	A	A	A	-	A	A
Ferrous Acetate	D	B	D	-	A	A
Ferrous Ammonium Sulfate	A	A	A	-	-	A
Ferrous Chloride	A	A	A	-	A	A
Ferrous Hydroxide	B	A	C	-	A	A
Ferrous Sulfate	A	A	A	-	A	A
Fish Oil	A	D	A	-	A	A
Fluoroboric Acid	A	A	C	A	A	A
Fluorine	D	D	D	-	B	D
Fluosilic Acid	B	B	A	-	A	A
Formaldehyde (Formalin)	A	A	A	B	A	A

	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Formamide	A	A	D	-	A	A
Formic Acid	B	A	D	C	A	A
Freon 11	A	D	A	-	-	D
Freon 12	B	C	B	-	-	D
Freon 13	A	A	A	-	-	A
Freon 21	D	D	D	-	-	D
Freon 22	D	A	D	-	A	A
Freon 31	D	A	D	-	-	A
Freon 32	A	A	C	-	-	A
Freon 112	B	D	A	-	-	D
Freon 113	A	D	B	-	-	D
Freon 114	A	A	B	-	-	A
Freon 115	A	A	B	-	-	A
Freon 142b	A	A	D	-	-	A
Freon 152a	A	A	D	-	-	A
Freon 218	A	A	A	-	-	A
Freon C316	A	A	A	-	-	A
Freon C318	A	A	A	-	-	A
Freon 13B1	A	A	A	-	-	A
Freon 114B2	B	D	B	-	-	D
Freon 502	B	A	B	-	-	A
Freon TF	A	A	A	-	-	A
Freon T-WD 602	A	B	A	-	-	A
Freon TMC	B	B	A	-	-	B
Freon T-P35	A	A	A	-	-	A
Freon TA	A	A	C	-	-	A
Freon TC	A	B	A	-	-	A
Freon MF	A	D	A	-	-	D
Freon BF	B	D	A	-	-	D
Fuel Oil	A	D	A	-	A	D
Fuel, ASTM A	A	D	A	-	A	D
Fuel, ASTM B	A	D	A	-	A	D
Fuel, ASTM C	B	D	A	-	A	D
Fumaric Acid	A	D	A	-	A	D
Furan	D	C	D	-	A	C
Furfural	D	C	D	-	A	A
Furfuryl Alcohol	D	C	D	-	A	C
Gallic Acid	B	B	B	-	A	B
Gasoline, Reg	A	D	A	-	A	D
Gasoline, Hi-Test	A	D	A	D	A	D
Gasoline, Lead Free	A	D	A	D	A	D
Gelatin	A	A	A	-	A	A
Gluconic Acid	C	C	A	-	A	C
Glucose	A	A	A	A	A	A
Glue	A	A	C	A	A	B
Glycerine (Glycerol)	A	A	A	A	A	A
Glycois	A	A	A	-	A	A
Grease	A	D	A	-	A	D

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Chemical Resistance Chart

	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Green Sulfate Liquor	-	A	-	-	A	A
Halowax Oil	D	D	A	-	A	D
Heptachlor in Petroleum Solvents	B	D	A	-	A	D
Heptachlor in Petroleum Solvents, Water Spray	B	D	A	-	-	D
Heptanal (Heptaldehyde)	D	B	D	-	A	D
Heptane	A	D	A	-	A	D
Heptane Carboxylic Acid	C	C	A	-	A	C
Hexaldehyde	D	B	D	-	A	B
Hexane	A	D	A	-	A	D
Hexene	B	D	A	-	A	D
Hexanol (Hexyl Alcohol)	A	A	A	-	A	A
Hexylene	A	C	A	-	A	D
Hexylene Glycol	A	A	A	-	A	A
Hexyl Methyl Ketone	D	B	D	-	A	B
Hi-Tri (Trichloroethylene)	C	D	A	-	A	D
Hydraulic Fluid (Petroleum)	A	D	A	C	A	D
Hydraulic Fluid (Phosphate Ester Base)	D	A	D	-	A	A
Hydraulic Fluid (Poly Alkylene Glycol Base)	A	A	A	-	-	A
Hydrobromic Acid	C	A	A	-	A	A
Hydrobromic Acid, 5%	D	A	A	-	A	B
Hydrobromic Acid, 15%	D	A	A	-	A	B
Hydrobromic Acid, 37%	-	A	A	-	A	-
Hydrocyanic Acid	B	C	A	-	A	C
Hydrofluoric Acid	D	C	A	D	A	C
Hydrofluosilic Acid	B	A	A	-	A	A
Hydrogen Gas	-	-	-	-	-	-
Hydrogen Peroxide, 3%	C	A	-	-	A	C
Hydrogen Peroxide, 10%	D	A	-	-	A	C
Hydrogen Peroxide, 30%	D	C	-	-	A	D
Hydrogen Peroxide, 90%	D	C	B	C	A	D
Hydrogen Sulfide	-	-	-	-	-	-
Hydroquinone	D	B	D	-	A	B
Hypochlorous Acid	D	B	A	D	-	B
Ink Oil (Linseed Oil Base)	B	B	A	-	A	B
Insulating Oil	A	D	A	-	A	D
Iodine	D	D	C	-	A	D
Iron Acetate	D	B	D	-	A	A
Iron Hydroxide	B	B	C	-	A	A
Iron Salts	A	A	A	-	A	A
Iron Sulfate	A	A	A	-	A	A
Iron Sulfide	A	A	A	-	A	A
Isomyl Acetate	D	B	D	-	A	A
Isomyl Alcohol	A	A	A	-	A	A
Isomyl Bromide	D	D	B	-	A	D
Isomyl Butyrate	D	C	D	-	A	C
Isomyl Chloride	D	D	B	-	A	C
Isomyl Ether	D	D	D	-	A	D
Isomyl Phthalate	D	B	C	-	A	A
Isobutanol (Isobutyl Alcohol)	B	A	B	-	A	A
Isobutyl Acetate	D	B	D	-	A	A
Isobutyl Aldehyde	D	B	D	-	A	B
Isobutyl Amine	D	B	D	-	A	B
Isobutyl Bromide	D	D	B	-	A	D
Isobutyl Carbinol	A	A	B	-	A	A
Isobutyl Chloride	D	D	B	-	A	D
Isobutylene	A	D	A	-	A	D
Isobutyl Ether	D	D	D	-	A	D
Isocyanates	D	B	C	-	A	B
Isoctane	A	D	A	-	A	D
Isopentane	A	D	A	-	A	D
Isopropyl Acetate	D	B	D	-	A	A
Isopropyl Alcohol (iso-propanol)	B	A	B	-	A	A
Isopropyl Amine	C	B	D	-	A	B
Isopropyl Benzene	D	D	A	-	A	D
Isopropyl Chloride	D	D	B	-	A	D
Isopropyl Ether	C	D	D	-	A	D
Isopropyl Toluene	D	D	A	-	A	D
Jet Fuels (JP1-JP6)	A	D	A	-	A	D
Kerosene	A	D	A	D	A	D
Ketones	D	A	D	-	A	B
Lactic Acid	C	C	A	A	A	C
Lacquers	D	D	D	-	A	C
Lacquer Solvents	D	D	D	D	A	C
Lard	A	C	A	B	A	D
Lauryl Alcohol	A	A	B	-	A	A
Lead Acetate	C	B	C	D	A	A
Lead Nitrate	A	A	A	-	A	A
Lead Sulfamate	B	A	A	-	-	A
Lead Sulfate	A	A	A	-	A	A
Ligroin	A	D	A	-	A	D
Lime Water	C	A	A	-	-	A
Linseed Oil	A	A	A	-	A	A
Lindol (Tricresyl Phosphate)	D	A	A	-	-	A
Liquid Soap	A	A	A	-	A	A
Liquid Petroleum Gas	A	D	A	-	A	D
Lubricating Oils	A	D	A	-	A	D
Lye (Sodium Hydroxide)	B	A	D	-	-	A
Magnesium Acetate	D	B	D	-	A	A
Magnesium Carbonate	A	A	A	-	A	A
Magnesium Chloride	A	A	A	A	A	A
Magnesium Hydrate	B	A	B	-	A	A
Magnesium Hydroxide	B	A	A	-	A	A
Magnesium Nitrate	A	A	A	-	A	A
Magnesium Sulfate	A	A	A	A	A	A
Malathion 50 in Aromatic Solvents	C	D	A	-	A	D
Malathion 50 in Aromatic Solvents, Water Spray	C	D	A	-	A	D

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Maleic Acid	D	C	A	-	A	C
Maleic Anhydride	D	C	A	-	A	C
Malic Acid	B	D	A	B	A	D
Manganese Sulfate	A	A	A	-	A	A
Manganese Sulfide	A	B	A	-	A	A
Manganese Sulfite	A	B	A	-	A	A
Mercuric Chloride	B	A	A	-	A	A
Mercury	A	A	A	-	A	A
Methane	A	D	A	-	A	D
Methyl Acetate	D	B	D	-	A	B
Methyl Acrylate	D	B	D	-	A	B
Methacrylic Acid	D	B	D	-	-	B
Methyl Alcohol (Methanol)	A	A	C	A	A	A
Methyl Benzene (Toluene)	D	D	A	-	A	D
Methyl Bromide	D	D	B	-	A	D
Methyl Butyl Ketone	D	B	D	-	A	B
Methyl Cellosolve	C	B	D	-	A	B
Methyl Chloride	C	C	A	D	A	C
Methyl Cyclohexane	D	D	B	-	A	D
Methylene Bromide	D	D	B	-	A	D
Methylene Chloride	D	D	B	-	A	D
Methyl Ethyl Ketone (MEK)	D	A	D	D	A	B
Methyl Formate	D	B	C	-	A	B
Methyl Hexanol	A	A	B	-	A	A
Methyl Hexyl Ketone	D	B	D	-	A	B
Methyl Isobutyl Carbinol	B	A	B	-	A	A
Methyl Isobutyl Ketone (MIBK)	D	A	D	-	A	B
Methyl Isopropyl Ketone	D	C	D	-	A	B
Methyl Propyl Ether	D	D	D	-	A	D
Methyl Propyl Ketone	D	B	D	-	A	B
Methyl Methacrylate	D	D	D	-	A	D
Methyl Salicylate	D	B	C	-	A	B
Methyl tert-Butyl Ether (MTBE)	D	D	D	-	D	D
Mineral Oil	A	D	A	-	A	D
Mineral Spirits	A	D	A	-	A	D
Monochlorobenzene	D	D	A	-	A	D
Monochlorodifluoromethane (Freon 22)	D	A	D	-	A	A
Monomethylether	A	A	C	-	-	A
Monovinyl Acetate	D	C	A	-	-	B
Motor Oil	A	D	A	-	A	D
Muriatic Acid	-	A	A	-	A	-
Naphtha	A	D	A	D	A	D
Napthalene	D	D	A	-	A	D
Napthenic Acid	C	D	A	-	A	D
Neatsfoot Oil	A	B	A	-	A	B
Neu-Tri (Trichloroethylene)	C	D	A	-	A	D
Nickel Acetate	D	B	D	-	A	A
Nickel Chloride	A	A	A	A	A	A

	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Nickel Nitrate	A	A	A	-	A	A
Nickel Plating Solution	B	B	A	-	A	B
Nickel Sulfate	A	A	A	-	A	A
Niter Cake	A	A	A	-	A	A
Nitric Acid, 10%	D	C	C	-	A	C
Nitric Acid, 20%	D	C	A	-	A	B
Nitric Acid, 30%	D	C	A	-	A	B
Nitric Acid, 30-70%	D	D	C	-	A	C
Nitric Acid, Red Fuming	D	D	D	-	A	D
Nitrobenzene	D	D	B	D	A	D
Nitrogen Gas	A	A	A	-	A	A
Nitrogen Tetraoxide	D	D	D	-	A	D
Nitromethane	D	B	D	-	A	B
Nitropropane	D	B	D	-	A	A
Nitrous Oxide	A	A	A	-	A	A
Octadecanoic Acid	A	C	C	-	A	B
Octane	A	D	A	-	A	D
Octanol (Octyl Alcohol)	B	B	A	-	A	B
Octyl Acetate	D	B	D	-	A	A
Octyl Carbinol	A	A	B	-	A	A
Octylene Glycol	A	A	A	-	A	A
Oil, Petroleum	A	D	A	-	A	D
Oil, ASTM #1	A	D	A	-	A	D
Oil, ASTM #2	A	D	A	-	A	D
Oil, ASTM #3	A	D	A	-	A	D
Oleic Acid	B	B	C	D	A	B
Oleum (Fuming Sulfuric Acid)	D	D	D	-	A	D
Olive Oil (Non FDA)	A	B	A	-	A	B
Orthodichlorobenzene	D	D	A	-	A	D
Oxalic Acid (Cold)	B	A	A	B	A	A
Oxygen, Cold	C	A	A	-	A	A
Oxygen, HotB	A	A	-	A	-	C
Ozone	D	A	A	-	A	B
Paint Thinner (Duco)	D	D	C	-	A	D
Palmitic Acid (Hexadecanoic Acid)	A	B	A	D	A	B
Palm Oil	A	B	A	-	A	A
Papermaker's Alum	A	A	A	-	A	A
Paradichlorobenzene	D	D	A	-	-	D
Paraffin	A	D	A	-	A	D
Paraformaldehyde	B	B	C	-	A	B
Peanut Oil	A	D	A	-	A	C
Pentane	A	D	A	-	A	D
Perchloroethylene	C	D	A	-	A	D
Perchloric Acid	D	B	A	D	A	B
Petrolatum	A	D	A	-	-	D
Petroleum, Crude	A	D	A	-	A	D
Petroleum Ether (Naphtha)	A	D	A	-	A	D
Petroleum Oils	A	D	A	-	A	D

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	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Phenol 10%	D	C	A	-	A	B
Phenol Sulfonic Acid	D	C	A	-	A	C
Phenyl Chloride	D	D	A	-	A	D
Phenylhydrazine	D	C	A	-	-	B
Phorone	D	B	C	-	A	A
Phosphate Esters	D	A	C	-	-	A
Phosphoric Acid, 10%	A	A	A	-	A	A
Phosphoric Acid, 10-85%	C	A	A	-	A	A
Phosphorous Trichloride	D	A	A	-	-	A
Pickling Solution	C	C	B	-	A	C
Picric Acid, Molten	C	C	C	-	A	C
Picric Acid, Water Soln.	B	B	C	-	A	A
Pinene	A	D	A	-	A	D
Pine Oil	C	D	B	-	A	D
Piperidine	D	D	D	-	A	D
Pitch	B	D	C	-	A	D
Plating Solution, Chrome	B	A	B	-	A	A
Plating Solution, Others	B	A	B	D	-	A
Polyvinyl Acetate Emulsion (PVA)	C	A	C	-	A	A
Polyethylene Glycol	A	A	A	-	A	A
Polypropylene Glycol	A	A	A	-	A	A
Potassium Bicarbonate	A	A	A	-	A	A
Potassium Bisulfate	A	A	A	-	A	A
Potassium Bisulfite	A	A	A	-	A	A
Potassium Carbonate	A	A	A	-	A	A
Potassium Chloride	A	A	A	-	A	A
Potassium Chromate	D	B	A	-	A	A
Potassium Cyanide	A	A	A	-	A	A
Potassium Dichromate	D	B	A	-	A	A
Potassium Hydrate	B	A	C	-	A	A
Potassium Hydroxide	C	A	C	C	A	A
Potassium Nitrate	A	A	A	-	A	A
Potassium Permanganate	D	A	A	-	A	A
Potassium Silicate	A	A	A	-	A	A
Potassium Sulfate	A	A	A	-	A	A
Potassium Sulfide	A	A	A	-	A	A
Potassium Sulfite	A	A	A	-	A	A
Producer Gas	A	D	A	-	-	D
Propanediol	A	A	A	-	A	A
Propyl Acetate	D	B	D	-	A	B
Propyl Alcohol (Propanol)	A	A	A	-	A	A
Propyl Aldehyde	D	B	D	-	A	B
Propyl Chloride	D	C	B	-	A	C
Propylene Dichloride	D	D	B	-	A	D
Propylene Glycol	A	A	A	-	A	A
Pydraul Hydraulic Fluids	D	B	C	-	A	B
Pyranol	C	D	A	-	-	D
Pyridine	D	B	D	D	A	B

	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
Pyrolygneous Acid	C	B	A	-	-	B
Pyrrrole	D	C	C	-	-	B
Rape Seed Oil	B	B	A	-	A	A
Red Oil (Crude Oleic Acid)	B	B	B	-	A	B
Richfield A Weed Killer, 100%	D	D	C	-	A	D
Richfield B Wedd Killer, 33%	B	D	C	-	A	B
Rosin Oil	A	D	A	-	-	D
Rotenone and Water	A	A	A	-	-	A
Rum	FDA TUBE REQUIRED					
Sal Ammoniac (Ammonium Chloride)	A	A	A	-	-	
Salicylic Acid	D	A	A	-	A	
Salt Water (Sea Water)	A	A	A	A	A	
Sewage	A	C	A	-	A	
Silicate of Soda (Sodium Silicate)	A	A	A	-	A	
Silicate Esters	B	D	A	-	-	
Silicone Greases	A	A	A	-	A	
Silicone Oils	A	A	A	-	A	
Silver Nitrate	A	A	A	A	A	
Skelly Solvent	A	D	A	-	-	
Skydrol Hydraulic Fluids	D	A	D	-	A	
Soap Solutions	A	A	A	B	A	
Soda Ash (Sodium Carbonate)	A	A	A	-	A	
Soda, Caustic (Sodium Hydroxide)	B	A	D	-	A	
Soda, Lime	B	A	C	-	A	
Soda Niter (Sodium Nitrate)	A	A	A	-	A	
Sodium Acetate	D	B	D	-	A	
Sodium Aluminate	A	A	A	-	A	
Sodium Bicarbonate	A	A	A	A	A	
Sodium Bisulfate	A	A	A	-	A	
Sodium Bisulfite	A	A	A	A	A	
Sodium Borate	A	A	A	A	A	
Sodium Carbonate	A	A	A	A	A	
Sodium Chloride	A	A	A	B	A	
Sodium Chromate	D	B	C	-	A	
Sodium Cyanide	A	A	A	-	A	
Sodium Dichromate	D	B	C	-	A	
Sodium Fluoride	A	A	A	-	A	
Sodium Hydroxide	C	A	C	A	A	
Sodium Hypochlorite	D	A	A	B	A	
Sodium Metaphosphate	A	A	A	-	A	
Sodium Nitrate	C	A	A	D	A	
Sodium Nitrite	A	A	A	-	A	
Sodium Perborate	C	A	A	-	A	
Sodium Peroxide	C	A	A	-	A	
Sodium Phosphate	B	A	A	-	A	
Sodium Silicate	A	A	A	A	A	
Sodium Sulfate	A	A	A	-	A	
Sodium Sulfide	A	A	A	A	A	

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Sodium Sulfite	A	A	A	A	A	A
Sodium Thiosulfate	A	A	A	-	A	A
Soybean Oil	A	A	A	-	A	A
Stannic Chloride	A	B	A	-	A	B
Stannic Sulfide	A	A	A	-	A	A
Stannous Chloride	A	A	A	-	A	A
Stannous Sulfide	A	A	A	-	A	A
Stearic Acid	B	B	A	B	A	B
Stoddards Solvent	A	D	A	D	A	D
Styrene	D	D	A	-	A	D
Sugar Sols. (Sucrose) Non FDA	A	A	A	-	A	C
Sulfamic Acid	B	A	C	-	A	A
Sulfite Liquors	B	B	A	-	A	A
Sulfonic Acid	D	D	D	-	A	D
Sulfur (Molten)	B	A	A	-	A	A
Sulfur Chloride	C	D	A	-	A	D
Sulfur Dioxide	C	C	A	-	A	C
Sulfur Hexafluoride	A	A	A	-	A	A
Sulfur Trioxide	C	C	A	-	A	C
Sulfuric Acid, 25%	B	-	A	D	A	B
Sulfuric Acid, 25-50%	D	-	A	D	A	A
Sulfuric Acid, Fuming	D	D	A	D	A	D
Sulfurous Acid	C	C	A	D	A	C
Tall Oil	A	D	A	-	A	D
Tallow	A	D	A	-	A	D
Tannic Acid	C	A	A	B	A	A
Tar	C	D	B	-	A	D
Tartaric Acid	C	B	A	A	A	B
Terpineol	D	C	A	-	A	C
Tertiary Butyl Alcohol	A	A	A	-	A	A
Tetrachlorobenzene	D	D	B	-	A	D
Tetrachloroethane	D	D	A	-	A	D
Tetrachloroethylene	D	D	A	-	A	D
Tetraethylene Glycol	A	A	A	-	A	A
Tetrachloromethane	C	D	A	-	A	D
Tetrachloronaphthalene	D	D	B	-	A	D
Tetraethyl Lead	B	D	A	-	A	D
Tetrahydrofuran (THF)	D	D	D	-	A	D
Thionyl Chloride	D	D	B	-	A	D
Tin Chloride	A	A	A	B	A	A
Tin Tetrachloride	A	A	A	-	A	A
Titanium Tetrachloride	B	C	A	-	A	D
Toluene (Toluol)	C	D	A	D	A	D
Toluene Diisocyanate (TDI)	C	A	B	-	A	A
Toxaphene	B	D	A	-	-	D
Transformer Oils (Petroleum Base)	A	D	A	-	A	D
Transformer Oils	D	D	A	-	A	D

	Buna/Nitrile	EPDM	FKM	Silicone	PTFE*	Butyl**
(Chlorinated Phenyl Base Askerels)						
Transmission Fluids - A	B	D	A	-	A	D
Transmission Fluids - B	C	D	A	-	-	D
Tricetin	B	A	D	-	-	A
Tributyl Phosphate	D	B	D	-	A	B
Trichlorobenzene	D	D	B	-	A	D
Trichloroethane	D	D	A	-	A	D
Trichloroethylene	D	D	A	D	A	D
Trichloropropane	D	D	A	-	A	D
Tricresyl Phosphate (TCP)	D	B	B	-	A	A
Triethylene Glycol	A	A	A	-	A	A
Trinitrotoluene (TNT)	D	D	B	-	-	D
Triphenyl Phosphate	D	B	C	-	A	A
Trisodium Phosphate	A	A	A	-	A	A
Tung Oil	A	D	A	-	A	C
Turbine Oil	B	D	A	-	-	D
Turpentine	B	D	A	D	A	D
2, 4D with 10% Fuel Oil	A	D	A	-	-	D
Ucon Hydrolube Oils	A	A	A	-	A	A
Undecanol	A	A	B	-	A	A
Unsymmetrical Dimethyl-Hydrazine (UDMH)	D	A	D	-	-	A
Uran	B	B	C	-	-	B
Varnish	B	D	A	-	A	D
Vegetable Oils	A	A	A	-	A	A
Versilube	A	A	A	-	A	A
Vinegar	C	A	A	-	A	A
Vinyl Acetate	D	B	A	-	A	A
Vinyl Benzene	D	D	A	-	A	D
Vinyl Chloride (Monomer)	D	D	A	-	A	D
Vinyl Ether	D	C	D	-	-	D
Vinyl Toluene	D	D	A	-	A	D
Vinyl Trichloride	D	D	A	-	A	D
V.M. & P. Naptha	A	D	A	-	A	D
Water, Fresh (Non FDA)	A	A	A	B	A	A
Water, Salt	B	A	A	A	A	A
Whiskey, Wines	FDA TUBE REQUIRED					
White Liquor	A	C	A	-	-	B
White Oil	A	D	A	-	A	D
Wood Alcohol (Methanol)	A	A	D	-	A	A
Xylene (Xy101)	C	D	A	D	A	D
Xylidine	D	D	C	-	A	D
Zeolites	C	A	A	-	-	C
Zinc Acetate	C	B	D	-	A	A
Zinc Carbonate	A	A	A	-	A	A
Zinc Chloride	C	A	A	B	A	A
Zinc Chromate	A	A	A	-	A	A
Zinc Sulfate	A	A	A	-	A	A

*PTFE includes Tuf-Flex®, GYLON BIO-PRO® and GYLON® BIO-PRO PLUS™ | **Butyl includes Bromobutyl and Chlorobutyl

NOTE: Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Rubber Fab. Failure to select the proper sealing products could result in property damage and/or serious personal injury. Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing. While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice Rubber Fab is a registered trademark for packings, seals, gaskets, and other products of Rubber Fab.