



Chemical Compatibility Guide

A=Excellent, B=Good, C=Fair, X=Not Recommended, Blank=Insufficient Information

Chemical	SBR	EPDM	NBR	FKM	FFKM
Acetaldehyde	-	B	X	X	A
Acetamide	-	A	A	X	A
Acetic Acid 30%	-	A	C	C	A
Acetic Acid Chloride	-	X	X	A	A
Acetic Acid Vapors	-	A	X	X	A
Acetic Acid, 96-99,5% (Glacial)	-	B	X	X	A
Acetic Anhydride	-	B	X	X	A
Acetic Ester (Ethyl Acetate)	X	-	X	X	-
Acetone	B	A	X	X	A
Acetophenone	-	A	X	X	A
Acetylacetone	-	A	X	X	A
Acetylchloride	-	X	X	A	A
Acetylene	B	B	A	A	-
Acetylene Gas	-	A	A	A	A
Acetylene Tetrabromide	-	A	X	A	A
Acrolein	-	A	C	X	A
Acrylonitrile	-	X	X	X	A
Adipic Acid	-	A	A	A	A
Adipic Aciddiethylester	-	A	X	X	A
Aero safe 2300 W	-	A	X	X	A
Aero Shell 17 Grease	-	X	A	A	A
Aero Lubriplate	-	X	A	A	A
Aero safe 2300	-	A	X	X	A
Aero Shell 1 AC Grease	-	X	A	A	A
Aero Shell 7 A Grease	-	X	A	A	A
Aero Shell 750	-	X	B	A	A
Aero Shell Fluid 4	-	X	A	A	A
Aerozene 50 (50%Hydrazine, 50% UDMH)	-	A	X	X	B
Air	-	A	A	A	A
Alcohols, Aliphatic	B	B	A	-	-
Alcohols, Aromatic	X	X	C	-	-
Alcohol (Methanol)	-	A	B	C	A
Alkyl Arylsulphonic Acid	-	A	C	X	A
Alkyl Benzene	-	X	X	A	A
Allyl Alcohol (2-Propene-1-ol)	-	A	B	B	A
Allyl Chloride (3-Chloro-1-Propene)	-	X	X	-	A
Allyl Ketone	-	A	X	X	A
Aluminium Acetat	-	A	B	X	A
Aluminium Bromide	-	A	A	A	A
Aluminium Fluoride	-	A	A	A	A
Aluminium Nitrate	-	A	A	A	A
Aluminium Phosphate	-	A	A	A	A
Aluminium Sulfate	-	A	A	A	A
Aluminium-Potassiumsulfate Solution	-	A	-	-	A
Aluminum Chloride Solution	-	A	A	A	A
Aluminum Hydroxide Solution	-	A	A	A	A
Aluminum Sulphate Solution	-	A	A	A	A
Ambrex 33 (Mobile)	-	X	A	A	A
Ambrex 830 (Mobile)	-	X	A	A	A
Amines, primary (such as Methyl, Ethyl, Propyl, Allyl)	-	A	X	X	A

Chemical	SBR	EPDM	NBR	FKM	FFKM
Aminoacetic Acid	-	A	B	A	A
Ammonia (gas)	-	A	A	X	A
Ammonia, Gas (Cold)	A	A	A	X	-
Ammonia (gas, hot)	-	B	X	X	A
Ammonia, Gas 65°C	C	B	C	X	-
Ammonia (liquid)	B	A	B	X	A
Ammonia Solution	-	A	B	X	A
Ammonia, In water	B	A	B	B	-
Ammonia, anhydrous	-	A	A	X	A
Ammonia, aqueous Solution	-	A	C	X	A
Ammonia-Lithium	-	B	B	X	A
Ammonium Acetate	-	A	A	X	A
Ammonium Carbonate	-	A	A	X	A
Ammonium Carbonate Solution	-	A	X	-	A
Ammonium Chloride	-	A	A	A	A
Ammonium Chloride Solution	-	A	A	-	A
Ammonium Fluoride	-	A	A	B	A
Ammonium Hydroxide	-	A	X	X	A
Ammonium Hydroxide Solution	-	A	X	X	A
Ammonium Nitrate Solution	-	A	A	-	A
Ammonium Nitrite	-	A	A	-	A
Ammonium Phosphate, Monobasic, Dibasic, Tribasic	-	A	A	-	A
Ammonium Sulfate Solution	-	A	A	X	A
Ammonium Sulfide	-	A	B	X	A
Ammonium Thiocyanate	-	A	A	-	A
Amyl Acetate	-	A	X	X	A
Amyl Alcohol	-	A	B	B	A
Amyl Borate	-	X	A	-	A
Amyl Chloride	-	X	X	A	A
Amyl Naphtalene	-	X	X	A	A
Anderol L-774	-	X	A	A	A
Aniline Chlorohydrate	-	B	B	B	A
Aniline Liquid	-	A	X	X	A
Aniline	X	X	X	B	-
Animal Fats	-	B	A	A	A
Anisole	-	X	X	X	A
Antimony Chloride	-	A	A	A	A
Antimony Chloride, dry	-	A	A	A	A
Aqua Regia (Nitric Acid/Hydrochloric Acid)	-	X	X	X	B
Argon Gas	-	A	A	A	A
Aromatic Fuels (up to 50% Aromatic)	-	X	A	A	A
Aromatic Hydrocarbons (100% Aromatic)	-	X	X	A	A
Arsenic Acid	-	A	A	A	A
Arsenic Acid, Solution	-	A	A	A	A
Asphalt, Emulsion	-	X	B	A	A
ASTM Test Fuel A	-	X	A	A	A
ASTM Test Fuel B	-	X	A	A	A
ASTM Test Fuel C	-	X	B	A	A
ASTM-Oil IRM 902	-	X	A	A	A
ASTM-Oil IRM 903	-	X	A	A	A



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Chemical	SBR	EPDM	NBR	FKM	FFKM
ASTM-Oil No.1	-	X	A	A	A
ATM-Brake Fluid (Glycolbased)	-	A	X	X	A
Automatic-Transmission Fluid	-	X	A	A	A
Automotive Gasoline	-	X	A	A	A
Aviation Gasoline	X	X	A	A	-
Barium Carbonate	-	A	A	A	A
Barium Chloride Solution	-	A	A	A	A
Barium Hydroxide Solution	-	A	A	A	A
Barium Nitrate Solution	-	A	A	A	A
Barium Sulfate	-	A	A	A	A
Barium Sulfide Solution	-	A	A	A	A
Battery Acid (Sulfuric Acid diluted)	-	A	X	A	A
Beef Tallow	-	X	A	A	A
Beer	-	A	A	A	A
Beet Sugar Sap	-	A	A	A	A
Benzaldehyde	-	B	X	X	A
Benzenesulfonic Acid	-	-	X	A	A
Benzine (Gasoline)	-	X	A	A	A
Benzine 50/Benzene 30/Ethanol 20	-	X	X	B	A
Benzine 50/Benzene 50	-	X	X	B	A
Benzine 60/Benzene 40	-	X	X	B	A
Benzine 70/Benzene 30	-	X	B	A	A
Benzine 80/Benzene 20	-	X	B	A	A
Benzoic Acid, Solution	-	B	B	A	A
Benzol (Benzene)	X	X	X	A	A
Benzophenone	-	B	-	A	A
Benzyl Alcohol	-	B	X	A	A
Benzyl Chloride	-	X	X	A	A
Biphenyl	-	X	X	A	A
Bitumen	-	X	X	A	A
Black Liquor	-	B	B	B	A
Blast Furnace Gas	-	X	X	A	A
Bleach Solution	X	A	X	A	A
Bleaching Powder Solution	-	A	C	A	A
Boiler Feed Water	-	A	B	B	A
Bone Oil	-	X	A	A	A
Borax (Sodiumborate)	-	A	B	A	A
Borax Solutions	-	A	B	B	A
Boric Acid	-	A	A	A	A
Brake Fluids (based on glycol ether)	-	A	X	X	A
Brake Fluids (based on mineral oil)	-	-	A	A	A
Bromine	X	X	X	B	A
Bromine Solution in Water	-	X	X	A	A
Bromine Water	-	-	-	A	-
Bromine Vapour	-	X	X	B	A
Bromobenzene	-	X	X	A	A
Bromochlorotrifluoroethan	-	X	X	A	A
Bunker Oil	-	X	B	A	A
Butadiene	-	X	X	B	A
Butandiol	-	A	A	X	A

Chemical	SBR	EPDM	NBR	FKM	FFKM
Butane	-	X	A	A	A
1-Butanethiol	-	X	X	A	A
Butanole	-	B	A	A	A
Butanol, (Butyl Alcohol)	A	A	A	A	-
Butantriol	-	A	A	A	A
Butene	-	X	B	A	A
Buthylphenol	-	X	X	B	A
Butter	-	B	A	A	A
Buttermilk	-	A	A	A	A
Butyl Acetate	-	B/C	X	X	A
Butyl Alcohol	-	A	A	A	A
Butyl Amine	-	-	X	X	A
Butyl Carbitol	-	A	X	C	A
Butyl Cellosolve	-	A	C	X	A
Butyl Diglycol	-	A	A	A	A
Butyl Phthalate	-	A	X	X	A
Butyl Pyrocatechol	-	B	X	A	A
Butyl Stearate	-	X	B	A	A
Butylbenzoate	-	A	X	A	A
Butylene	-	X	B	A	A
Butylether	-	X	X	X	A
Butyraldehyd	-	B	X	X	A
Butyric Acid	-	X	B	A	A
Butyric Acid Butyl Ester	-	B	X	B	A
Calcium Acetate	-	A	B	X	A
Calcium Bisulfate	-	A	A	A	A
Calcium Bisulfide Solution	-	A	B	B	A
Calcium Carbonate	-	A	A	A	A
Calcium Carbonate Slurry	-	A	A	A	A
Calcium Chloride	-	A	A	A	A
Calcium Chloride 65°C	A	A	A	A	-
Calcium Chloride, brine	-	A	A	A	A
Calcium Cyanide	-	A	A	-	A
Calcium Hydroxide Solution	-	A	A	A	A
Calcium Hypochlorite Solution	-	A	C	A	A
Calcium Nitrate	-	A	A	A	A
Calcium Oxide	-	A	A	A	A
Calcium Phosphate Slurry	-	A	A	A	A
Calcium Silikate	-	A	A	A	A
Calcium Sulfate	-	A	A	A	A
Calcium Sulfide	-	A	A	A	A
Calcium Sulfite	-	A	A	A	A
Calcium Thiosulfate	-	A	B	A	A
Caliche Solution (Sodium Nitrate)	-	A	B	A	A
Campher	-	X	A	B	A
Campher Oil	-	X	A	B	A
Cane Sugar Sap	-	A	A	A	A
Carbitol	-	B	B	B	A
Carbolic Acid (Penole)	-	B	X	A	A
Carbolineum	-	B	B	A	A



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Chemical	SBR	EPDM	NBR	FKM	FFKM
Carbon Dioxide, dry	-	B	A	A	A
Carbon Dioxide, wet	-	B	A	A	A
Carbon Disulfide	-	X	X	A	A
Carbon Monoxide	-	A	A	B	A
Carbon Tetrachloride	X	X	C	A	-
Carbonic Acid	-	A	A	A	A
Carboxylic Acids	-	A	A	A	A
Casein	-	B	A	A	A
Castor Oil	B	B	A	A	A
Cellosolve (2-Etho-yethanol)	-	B	X	X	A
Celluloseacetat	-	B	A	X	A
Chile Salpetre (Sodium Nitrate)	-	A	B	A	A
Chinawood Oil	-	X	A	A	A
Chloracetic Acid	-	A	X	X	A
Chloracetic Acid Ethylester	-	X	X	A	A
Chloric Acid	-	B	X	B	A
Chloride of Lime	-	A	X	A	A
Chlorine Dioxide	-	C	X	A	B
Chlorine gas, Anhydrous	-	A	C	A	A
Chlorine Gas Dry X	X	X	X	-	-
Chlorine Water	X	B	X	A	A
Chlorine, liquid	-	B	X	A	A
Chloroacetaldehyde	-	A	X	X	B
Chloroacetone	-	A	X	X	A
Chloroamine	-	A	A	X	A
Chlorobenzene	-	X	X	B	A
Chlorobromomethane	-	B	X	B	A
Chlorobutadiene	-	X	X	B	A
Chloroform	-	X	X	B	A
Chloromethyl Ether	-	C	X	X	A
Chloronaphthalene	-	X	X	A	A
(o)-Chlorophenol	-	X	X	A	A
Chlorosulfonic Acid	-	C	X	X	A
Chlorothene	-	X	X	B	A
Chlorotoluene	-	X	X	A	A
Chrome Alum	-	A	A	A	A
Chromic Acid	-	C	X	A	A
Chromic Acid 38°C	X	C	X	C	-
Chromo sulfuric Acid	-	X	X	A	A
Cider	-	A	A	B	A
CIP fluids, acidic*	-	A	X	B	A
CIP fluids, alkaline	-	A	X	X	A
Citric Acid	A	A	A	A	A
Citrous Oils	-	X	B	A	A
Coal Tar	-	X	B	B	A
Cobalt Chlorite	-	A	A	A	A
Coca-Cola	-	A	A	B	A
Cocoa Butter	-	X	A	A	A
Coconut Grease	-	X	A	A	A
Coconut Oil	-	X	A	A	A

Chemical	SBR	EPDM	NBR	FKM	FFKM
Coconut, Fatty Acid	-	X	A	A	A
Cod-liver Oil	-	B	A	A	A
Coffee	-	A	A	A	A
Coffee Extract	-	A	A	A	A
Coke Oven Gas	-	X	X	A	A
Copper Acetate Solution	-	B	X	X	A
Copper Ammonium Acetate	-	A	X	X	A
Copper Chloride, Solution	-	A	A	A	A
Copper Cyanide	-	A	A	A	A
Copper Fluoride	-	A	B	A	A
Copper Nitrate	-	A	B	A	A
Copper Sulfate (Blue Vitriol) Solution	-	A	A	A	A
Corn Oil	-	X	A	A	A
Cotton Oil	-	C	A	A	A
Cottonseed Oil	-	X	A	A	A
Cresol	X	X	X	A	A
Crtonaldehyde	-	A	X	X	A
Crude Oil	X	X	B	A	A
Cumene	-	X	X	A	A
Cupric Sulphate	B	A	A	A	-
Cuprous Ammonia Acetate Solution	-	A	X	X	A
Cyanic Acid	-	A	B	A	A
Cyanic Acid Solution	-	A	B	A	A
Cyclohexane	X	X	A	A	A
Cyclohexanole	-	X	B	A	A
Cyclohexanone	-	X	X	X	A
Cyclohexylamine	-	C	X	X	A
(p)-Cymene	-	X	X	A	A
DDT Solutions (Kerosene Solvent)	-	X	A	A	A
DDT Solutions (Toluene Solvent)	-	X	X	A	A
Decalin (Decahydronaphtalene)	-	X	X	A	A
Decane	-	X	A	A	A
Detergent Solutions	A	A	A	B	-
Dextrin	-	A	A	A	A
Dextrose	-	A	A	A	A
Diacetone	-	A	-	X	A
Diacetone Alcohol	-	A	X	X	A
1,2-Diaminoethane	-	A	B	X	A
Diamylamine	-	A	X	X	A
Diazinone	-	X	X	B	A
Dibenzyl Sebacate	-	B	X	B	A
Dibenzyl Ether	X	B	X	C	A
Dibromodifluoromethane	-	B	X	-	A
Dibromomethylbenzene	-	X	X	A	A
Dibutyl Ether	-	X	X	X	A
Dibutyl Phthalate	X	B	X	C	A
Dibutyl Sebacate	-	B	X	B	A
Dibutylamine	-	X	X	X	A
Dichloro Acetic Acid	-	X	X	X	A
Dichloro Acetic Acid Methylester	-	A	X	X	A

*organic/inorganic acids, please contact our specialists technical team



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Chemical	SBR	EPDM	NBR	FKM	FFKM
Dichlorobutane	-	X	B	A	A
Dichlorobutylene	-	X	X	B	A
Dichloroethane	-	X	X	B	A
Dichloroethylene	-	X	X	B	A
Dichloro-iso-propylene ether	-	X	X	X	A
Dichloromethane	-	X	X	B	A
Dichloropentane	-	X	X	A	A
3,1-Dichloropropene	-	X	X	-	A
Dichlorobenzene	-	X	X	A	A
Dicyclohexylamine	-	X	X	X	A
Diesel Fuel	-	X	A	A	A
Diesel Oil	-	X	A	A	A
Diesel Oil 65°C	X	X	A	A	-
Diethanolamine	-	B	X	X	A
Diethyl Amin	-	B	X	X	A
Diethyl Aniline	-	A	X	X	A
Diethyl Benzene	-	X	X	A	A
Diethyl Carbonate	-	X	X	A	A
Diethyl Ether	-	B/C	X	X	A
Diethyl Formaldehyde	-	A	X	X	A
Diethyl Hydrazine	-	A	C	X	A
Diethyl Maleate	-	A	C	X	A
Diethyl Sebacate	-	B	X	B	A
Diethyl Sulfate	-	-	X	X	A
Diethylene Glycol	-	A	A	A	A
Diethylene Triamine	-	A	X	X	A
Diglycolic Acid	-	A	X	A	A
Dihexyl Phthalic Acid Ester	-	-	X	X	A
Dihydroxy Tartaric Acid (Tartaric Acid)	-	B	A	A	A
1,4-Dihydroxybenzene	-	B	X	X	A
Di-Isobutyl Ketone	-	A	X	X	A
Di-Isobutylene	-	X	B	A	A
Di-Isooctyl Sebacate	-	B	X	B	A
Di-Isopropyl Benzene	-	X	X	A	A
Di-Isopropyl Ketone	-	A	X	X	A
Dimethyl Amine	-	B	X	X	A
Dimethyl Aniline	-	B	X	X	A
Dimethyl Ether	-	A	X	X	A
Dimethyl Formamide	-	A/B	X	X	A/B
Dimethyl Hydrazine	-	A	B	X	A
Dimethyl Ketone	-	A	X	X	A
Dimethyl Phenol	-	X	X	X	A
Dimethyl Phthalate	-	B	X	B	A
Dimethylbutane	-	X	A	A	A
Dinitro Toluene	-	X	X	X	A
Dinitrogene Oxid	-	B	A	A	A
Diocetyl Amine	-	A	X	X	A
Diocetyl Phthalate (DOB)	X	B	X	B	A
Diocetyl Sebacate	-	B	X	B	A
Dioxane	-	B	X	X	A

Chemical	SBR	EPDM	NBR	FKM	FFKM
Dioxolane	-	B	X	X	A
Dipentene	-	X	B	A	A
Diphenyl	-	X	X	A	A
Diphenyl Ether	-	X	X	B	A
Diphenyle Oxide	-	X	X	A	A
Dipropylene Glycol	-	B	B	B	A
Dithionite	-	A	B	A	A
Divinyl Benzene	-	X	X	A	A
DMT (Dimethyl Terephthalate)	-	A	X	A	A
DNCB (Dinitrochlorobenzene)	-	X	X	A	A
Dodecanol	-	B	B	A	A
Domestic Fuel Oils	-	X	A	A	A
Dowtherm A	-	X	X	A	A
Dowtherm E	-	X	X	A	A
Duodecanol (Lauryl alcohol)	-	B	B	A	A
Epichlorhydrin	-	B	X	X	A
Essential Oils	-	X	X	B	A
Ethane	-	X	A	A	A
Ethanol Amine	-	B	C	X	A
Ether	-	C	X	X	A
Ethyl Acetate	-	B/C	X	X	A
Ethyl Alcohol, Ethanol	-	A	A	X	A
Ethyl Benzene	-	X	X	B	A
Ethyl Bromide	-	X	B	A	A
Ethyl Cellulose	-	B	B	X	A
Ethyl Ether	X	X	C	X	-
Ethyl Hexanole	-	A	A	A	A
Ethyl Oxalate	-	A	X	A	A
Ethyl Pentachlorobenzene	-	X	X	A	A
Ethyl Pyridine	-	A	X	C	A
Ethyl Sulfate (Diethyl Sulfate)	-	A	X	X	A
Ethylacrylate	-	-	X	X	A
Ethylchloride	-	B	X	B	A
Ethylchloroacetate	-	B	B	A	A
Ethylene	-	X	A	A	A
Ethylene Bromide	-	C	X	A	A
Ethylene Chloride	-	B	-	B	A
Ethylene Chlorohydrin	-	B	X	X	A
Ethylene Diamine	-	A	X	X	A
Ethylene Dibromide	-	X	X	A	A
Ethylene Dichloride	-	X	X	A	A
Ethylene Glycol (Antifreeze)	A	A	A	A	A
Ethylene Glycol 65°C	A	A	A	A	
Ethylene Glycol Ethylether (Cellosolve)	-	B	X	X	A
Ethylene Oxide	-	B	X	X	A
Ethylene Silicate	-	A	A	A	A
Ethylene Trichloride	-	C	X	B	A
Fats (animal/vegetable)	-	X	A	A	A
Fatty Acids	-	X	B	A	A
Ferric Chloride Solution	-	A	A	A	A



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Ferric Chloride 65°C	A	A	A	A	-
Ferric Nitrates	-	A	A	A	A
Ferric Sulfate (Ferric Vitrinol)	-	A	A	A	A
Ferric Sulfate Solution	-	A	A	A	A
Fir Oil	-	X	B	A	A
Fish Oil	-	X	A	A	A
Fluorine	X	X	X	X	B
Fluorobenzene	-	X	X	B	A
Fluorosilicic Acid	-	A	B	A	A
Formaldehyde (Formalin-Solution)	-	A	C	X	A
Formaldehyde (Methanal)	-	A	B	B	A
Formamide	-	A	B	B	A
Formic Acid	A	B	X	X	A
Freon 11	X	X	A	B	B
Freon 112	X	X	B	B	A
Freon 113	B	X	A	B	B
Freon 114	A	A	A	B	B
Freon 114 B2	-	X	B	B	B
Freon 115	A	A	A	B	B
Freon 12	X	B	B	B	B
Freon 13	A	A	A	B	B
Freon 13 B1	A	A	A	B	B
Freon 134 a	-	A	-	-	B
Freon 14	-	A	A	B	B
Freon 142 b	-	A	A	X	B
Freon 152 a	-	A	A	X	B
Freon 21	X	X	X	X	A
Freon 218	-	A	A	A	B
Freon 22	X	A	X	X	B
Freon 31	B	A	X	X	B
Freon 32	A	A	A	X	B
Freon 502	-	A	B	B	B
Freon BF	-	X	B	A	B
Freon C316	-	A	A	-	B
Freon C318	-	A	A	B	B
Freon MF	-	X	B	B	B
Freon PCA	-	X	A	B	B
Freon TA	-	A	A	X	B
Freon TC	-	B	A	A	B
Freon TF	-	X	A	A	B
Freon TMC	-	B	B	A	B
Freon T-P35	-	A	A	A	B
Freon TWD602	-	A	B	A	B
Fruit Juices	-	A	B	B	B
Fumaric Acid	-	-	A	A	A
Furan	-	X	X	X	A
Furfural (Furfurylaldehyde)	X	-	C	-	A
Furfurylalcohol	-	-	-	-	A
Gallic Acid	-	B	A	A	A
Gas Oil	-	X	A	A	A

Chemical	SBR	EPDM	NBR	FKM	FFKM
Gasoline, Reg	X	X	A	A	-
Gasoline, Lead Free	X	X	A	A	-
Gasoline, 100 Octane	-	X	A	A	A
Gasoline, 130 Octane	-	X	A	A	A
Gasoline, Aromatic	-	X	A	A	A
Gasoline, Ethyl and Regular	-	X	A	A	A
Gasoline, Refined	-	X	A	A	A
Gasoline, Sour	-	X	A	A	A
Gasoline, with Mercaptan	-	X	A	A	A
Gasoline/Alcohol Mix	-	X	B	B	A
Gelatin	-	A	A	A	A
Generator Gas	-	X	A	A	A
Glauber's Salt	-	A	B	B	A
Glucose solution	-	A	A	A	A
Glucose, aqueos	-	A	A	A	A
Glycerin (Glycerol)	-	A	A	A	A
Glycerol	-	A	A	A	A
Glycerol Chlorohydrin	-	B	X	B	A
Glycerol Triacetate (Triacetin)	-	A	B	X	A
Glycerol Trinitrate (Nitroglycerin)	-	A	X	A	A
Glycine	-	A	B	A	A
Glycolic Acid	-	A	A	B	A
HEF-3	-	X	B	A	A
Helium Gas	-	A	A	A	A
Heptane	-	X	A	A	A
Hexachloro Acetone	-	A	X	X	A
Hexachloro Butadiene	-	X	X	A	A
Hexachloro Cyclohexane (Lindane)	-	X	-	A	A
1-Hexadecanol	-	A	A	-	A
Hexafluorosilicic Acid	-	B	B	A/B	A
Hexaldehyd	-	A	X	X	A
Hexalin (Cyclohexanol)	-	X	A	A	A
Hexamine	-	A	X	X	A
Hexanal (Capronaldehyde)	-	B	-	X	A
Hexane	X	X	A	A	A
Hexanetriol	-	A	A	A	A
Hexene	-	X	B	A	A
Hexyl Alcohol	-	B	A	A	A
Hydrazine	-	A	B	C	A
Hydrazine Hydrate	-	A	B	C	A
Hydrobromic Acid	-	A	X	A	A
Hydrochlorique Acid (Muriatic Acid) 37%	-	B	X	A	A
Hydrochloric Acid 37% 52°C	B	B	C	A	-
Hydrochloric Acid 100%	-	C	-	C	-
Hydrocyanic Acid	-	A	B	A	A
Hydrofluoric Acid (cold)	-	B	X	B	A
Hydrofluoric Acid (hot)	-	X	X	X	A
Hydrogen Chloride Gas	-	A	X	A	A
Hydrogen Fluoride	-	A/B	X	-	A
Hydrogen Peroxide 10%	C	X	C	-	-



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Chemical	SBR	EPDM	NBR	FKM	FFKM
Hydrogen Peroxide, concentrated	-	X	X	A-C	A
Hydrogen Peroxide 90%	X	C	X	B	-
Hydrogen Sulfide	-	C	X	X	A
Hydrogen, Gas	-	A	A	A	A
Hydrogene Bromide, unhydrous	-	X	X	A	A
Hydrogensulfite Leach	-	A	X	A	A
Hydroquinone	-	B	X	X	A
Hydroxy Acetic Acid	-	A	X	X	A
Hydroxylamine	-	A	A	A	A
Hydroxylamine Sulfate	-	A	A	A	A
Hypochlorous Acid	-	B	X	A	A
Ink	-	A	A	B	A
Iodine	-	B	B	A	A
Iodine tincture	-	B	B	A	A
Iodoform	-	A	-	A	A
Iso-Butane	-	X	A	A	A
Iso-Butyl Alcohol	-	A	B	B	A
Iso-Butyl Methyl Ketone	-	A	X	X	A
Iso-Butylene	-	X	A	A	A
Iso-Butyraldehyde	-	A	X	X	A
Iso-Cyanate	-	A	-	-	A
Iso-Dodecane	-	X	A	A	A
Iso-Octane	-	X	A	A	A
Iso-Pentane	-	X	A	A	A
Iso-Propyl-Acetate	-	B	X	X	A
Iso-Propyl-Alcohol	-	A	B	A	A
Iso-Propyl-Benzene	-	X	X	A	A
Iso-Propyl-Chloride	-	X	X	A	A
Iso-Propyl-Ether	-	A	X	X	A
Jet Fuel JP3	-	X	A	A	A
Jet Fuel JP4	-	X	A	A	A
Jet Fuel JP5	-	X	A	A	A
Jet Fuel JP6	-	X	A	A	A
JP3 (Fuel)	-	X	A	A	A
JP4 (Fuel)	-	X	A	A	A
JP5 (Fuel)	-	X	A	A	A
JP6 (Fuel)	-	X	A	A	A
JPX (Fuel)	-	X	A	X	A
Kerosene	X	X	A	A	A
Ketchup	-	A	A	A	A
Lactams	-	X	X	X	A
Lactic Acid	-	B	B	A	A
Lanolin	-	X	A	A	A
Latex	-	A	A	A	A
Laughing Gas (N2O)	-	B	A	A	A
Lavender Oil	-	X	B	A	A
Lead Acetate Salt Solution	-	A	C	X	A
Lead Arsenate	-	A	A	-	A
Lead Nitrate	-	A	A	A	A
Lead Nitrate Solution	-	A	A	-	A

Chemical	SBR	EPDM	NBR	FKM	FFKM
Lead Sulfate	-	A	B	A	A
Lemon Juice	-	A	A	A	A
Ligroin	-	X	A	A	A
Lindol	-	A	X	X	A
Linoleic Acid	-	X	B	A	A
Linseed Oil	-	C	A	A	A
Liqueurs	-	A	A	A	A
Liquified Petroleum Gas	X	X	A	A	-
Lithium Bromide Brine	-	A	A	A	A
Lithium Chloride	-	A	A	A	A
Lithium Hydroxide	-	A	X	-	A
Lubricating Oils	X	X	A	A	-
Machinery Oil (mineral)	-	X	A	A	A
Maganese Chloride (Solution)	-	A	A	A	A
Magnesium Acetate Solution	-	A	X	X	A
Magnesium Chloride Solution	-	A	A	A	A
Magnesium Hydroxide (Solution)	-	A	B	B	A
Magnesium Silicate (Talcum)	-	A	A	A	A
Magnesium Sulfate (Epson Salts)	-	A	A	A	A
Maleic Acid	-	A	B	A	A
Maleic Anhydride	-	X	X	B	A
Malic Acid	-	B	A	A	A
Margarine	-	X	A	A	A
Mayonaise	-	X	A	X	A
Menthol	-	B	B	A	A
Mercaptans	-	A	X	X	A
Mercuric Chloride Solution	-	A	A	A	A
Mercury	-	A	A	A	A
Mercury Nitrate	-	A	A	-	A
Mesityl Oxide	-	A	X	X	A
Methacrylic Acid	-	B	X	X	A
Methanal	-	A	B	B	A
Methane	X	X	A	A	A
Methoxy Benzene	-	X	X	X	A
Methoxy Butanol	-	B	A	A	A
Methyl Acetate	-	A	X	X	A
Methyl Acetoacetate	-	A	X	X	A
Methyl Acrylate	-	B	X	X	A
Methyl Alcohol (Methanol)	A	A	B	C	A
Methyl Amine	-	A	X	X	A
Methyl Aniline	-	B	X	B	A
Methyl Bromide	-	X	X	A	A
Methyl Butyl Ketone	-	A	X	X	A
Methyl Carbonate	-	X	X	X	A
Methyl Cellosolve	-	B	X	X	A
Methyl Cellulose	-	B	B	B	A
Methyl Chloride	-	B	X	B	A
Methyl Cyclopentane	-	X	X	B	A
Methyl Ethyl Ketone (MEK)	X	B	X	X	A
Methyl Formate	-	B	X	X	A



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Chemical	SBR	EPDM	NBR	FKM	FFKM
Methyl Glycol	-	B	X	X	A
Methyl Glycol Acetate (Ethleneglycol)	-	B	X	X	A
Methyl Iso-Butyl Ketone (MIBK)	X	B	X	X	A
Methyl Iso-Propyl Ketone	-	A	X	X	A
Methyl Methacrylate	-	X	X	X	A
Methyl Methacrylic Acid Ester	-	X	X	X	A
Methyl Oleate	-	B	X	A	A
Methyl Phenyl Ether (Anisole)	-	X	X	X	A
Methyl Pyrrolidone	-	A	X	X	A
Methyl Salicylate	-	B	X	-	A
Methylene Chloride	-	X	X	B	A
2-Methylpentane	-	X	A	A	A
3-Methylpentane	-	X	A	A	A
Milk	-	A	A	A	A
Milk of Lime	-	A	X	B	A
Mineral Oil	-	X	A/B	A	A
Mineral Spirits	-	X	A	A	A
Molasses	-	A	A	A	A
Monobromobenzene	-	X	X	B	A
Monochloroacetic Acid	-	A	X	X	A
Monochloroacetic Acid Ethyl Ester	-	B	X	X	A
Monochlorobenzene	-	X	X	B	A
Monoethanol Amine	-	B	X	X	A
Mononitrochlorobenzene	-	X	X	A	A
Morpholine	-	B	X	-	A
Muriatic Acid (HCl) (Hydrochloric Acid)	-	B	X	A	A
Muriatic Acid (HCl), diluted	-	A	B	A	A
Naphtha	X	X	X	A	A
Naphthalene	-	X	X	A	A
Naphthenic Acid	-	X	B	A	A
Naphtolen ZD	-	X	B	A	A
Natural Gas	X	X	A	A	A
Neats Foot Oil	-	B	A	A	A
Neon Gas	-	A	A	A	A
Nickel Acetate	-	A	B	X	A
Nickel Chloride	-	A	A	A	A
Nickel Nitrate	-	A	A	A	A
Nickel Sulfate	-	A	A	A	A
Nitrating Acids	-	A	X	X	A
Nitric Acid, concentrated	-	X	X	B	A
Nitric Acid, fuming	-	X	X	B	A
Nitric Acid 10% 79°C	X	C	X	X	-
Nitric Acid 30% to 70%	X	X	X	C	-
Nitric Acid, Red Fuming	X	X	X	X	-
Nitro Benzene	-	X	X	X	A
Nitro Glycerin	-	A	X	A	A
Nitro Glycol	-	A	X	A	A
Nitro Methane	-	B	X	X	A
Nitro Propane	-	B	X	X	A
Nitro Toluene	-	X	X	X	A

Chemical	SBR	EPDM	NBR	FKM	FFKM
Nitrogen Gas	-	A	A	A	A
Nitrogen Tetroxide	-	X	X	X	-
Nonanol	-	A	X	A	A
Nut Oil	-	X	A	A	A
Octadecane	-	X	A	A	A
Octal	-	B	X	B	A
Octane	-	X	B	A	A
Octanol (Octylalcohol)	-	A	B	A	A
Octylalcohol	-	B	B	A	A
Octylcresol	-	X	C	B	A
Oil of Turpentine	-	X	B	A	A
Olefin, crude	-	X	A	A	A
Oleic Acid	-	X	A	A	A
Oleic Alcohol	-	A	A	A	A
Oleum (Sulfuric Acid, 0 to 50%)	-	A	X	A	A
Olive Oil	-	X	A	A	A
Ortho Dichloro Benzene	-	X	X	A	A
Oxalic Acid	-	A	B	A	A
Oxygen, Cold	B	A	B	A	-
Ozone	X	A/B	X	A	A
Palm Kernel Oil	-	X	A	A	A
Palm Oil	-	X	A	A	A
Palmitic Acid	-	C	B	A	A
Para Dichloro Benzene	-	X	X	A	A
Paraffin	-	X	A	A	A
Paraffin Oil	-	X	A	A	A
Peanut Oil	-	X	A	A	A
Pectin	-	A	A	A	A
Penta Chloro Diphenyl	-	X	X	C	A
Penta Chloro Phenol	-	B	X	-	A
Pentane	-	X	A	A	A
Pentanol	-	A	B	B	A
Perachloroethylene	X	X	X	A	-
Perchloric Acid	-	B	X	A	A
Perchloro Ethylene	-	X	X	B	A
Petroleum	-	X	A	A	A
Petroleum Ether	-	X	A	A	A
Phenol	-	X	X	B	A
Phenol 52°C	C	C	X	A	-
Phenyl Benzene	-	X	X	B	A
Phenyl Ether	-	X	X	X	A
Phenyl Hydrazine	-	X	X	B	A
Phosphine	-	A	X	B	A
Phosphoric Acid	-	B	X	A	A
Phosphoric Acid 45%	-	A	B	A	A
Phosphorous Trichloride	-	A	X	A	A
Photographic Developing Bath	-	B	A	A	A
Phthalic Acid	-	A	B	B	A
Phthalic Anhydride	-	A	-	-	A
Picoline, alpha	-	A	-	X	A



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Chemical	SBR	EPDM	NBR	FKM	FFKM
Picric Acid, Aqueous Solution	-	B	B	A	A
Pine Oil	-	X	B	A	A
Pineapple Juice	-	A	A	A	A
Pinene	-	X	B	A	A
Piperidine	-	X	X	X	A
Polyvinyl Acetates	-	A	-	X	A
Potassium Acetate	-	A	B	B	A
Potassium Aluminium Sulfat	-	A	-	-	A
Potassium Bicarbonate	-	A	A	A	A
Potassium Bisulfate	-	A	A	A	A
Potassium Borate	-	A	A	A	A
Potassium Bromate	-	A	A	A	A
Potassium Bromide	-	A	A	A	A
Potassium Carbonate	-	A	A	A	A
Potassium Chlorate	-	A	X	A	A
Potassium Chloride	-	A	A	A	A
Potassium Chromate	-	A	B	A	A
Potassium Cyanide	-	A	A	A	A
Potassium Dichromate	-	A	A	A	A
Potassium Hydroxide (Solution 50%)	-	A	B	C	A
Potassium Hydroxide, Potassium Lye	-	A	B	X	A
Potassium Hydroxide 65°C	B	A	B	C	-
Potassium Hypochlorite (Javelle water)	-	B	B	A	A
Potassium Iodide	-	A	A	A	A
Potassium Nitrate	-	A	B	A	A
Potassium Perchlorate	-	A	X	A	A
Potassium Perfluoroacetate	-	A	B	X	A
Potassium Permanganate	-	A	X	A	A
Potassium Persulfate	-	A	X	A	A
Potassium Phosphate	-	A	A	A	A
Potassium Sulfate	-	A	A	A	A
Potassium Sulfite	-	A	A	A	A
Propane	-	X	A	A	A
Propane Gas	X	X	A	A	-
Propanol	-	A	B	A	A
2-Propanone (Acetone)	-	A	X	X	A
2-Propene-1-ol	-	A	B	A	A
Propinyl Alcohol	-	A	A	A	A
Propion Aldehyde	-	A	X	X	A
Propionic Acid	-	B	A	A	A
Propyl Acetate	-	B	X	X	A
Propyl Acetone	-	A	X	X	A
Propyl Amine	-	X	X	X	A
Propyl Nitrate	-	A	X	X	A
Propylene	-	X	X	A	A
Propylene Dichloride	-	X	X	-	A
Propylene Glycol	-	A	A	A	A
Propylene Oxide	-	B	X	X	A
Pyridine	-	B	X	B	A
Pyrrrole	-	X	X	X	A

Chemical	SBR	EPDM	NBR	FKM	FFKM
Rapeseed Oil	-	X	B	A	A
Roast Gas (dry)	-	A	A	A	A
Rosin (Colophony)	-	A	A	A	A
Salicylic Acid	B	A	B	A	A
Sea Water	A	A	A	B	A
Sewage	C	A	A	A	A
Silcone Grease	-	A	A	A	A
Silicic Acid	-	A	A	A	A
Silicon Dioxide	-	A	A	A	A
Silicone Oil	-	A	A	A	A
Silver Cyanide Solution	-	X	X	A	A
Silver Nitrate	-	A	B	A	A
Silver Salts	-	A	A	A	A
Skydrol 500	-	A	X	X	A
Skydrol 7000	-	A	X	B	A
Skydrol Hydraulic Fluids	X	A	X	B	-
Soap Solution	-	A	A	A	A
Soda (Sodium Carbonate)	-	A	A	A	A
Sodium Acetate	-	A	B	X	A
Sodium Benzoate	-	A	A	A	A
Sodium Bicarbonate Solution	-	A	A	A	A
Sodium Bisulfate Solution	-	A	A	A	A
Sodium Bisulfite Solution	-	A	A	A	A
Sodium Borate (Borax)	-	A	B	A	A
Sodium Carbonate (Soda Ash)	-	A	A	A	A
Sodium Carbonate Solution	-	A	A	A	A
Sodium Carbonate 65°C	A	A	A	A	-
Sodium Chlorate	-	A	B	A	A
Sodium Chloride (Common Salt)	-	A	A	A	A
Sodium Chloride Solution	-	A	A	A	A
Sodium Chlorite	-	A	X	A	A
Sodium Cyanide Solution	-	A	B	-	A
Sodium Dichromate	-	A	B	A	A
Sodium Fluoride	-	A	A	A	A
Sodium Hydroxide	-	A	B	C	A
Sodium Hydroxide 65°C	B	A	B	C	-
Sodium Hydroxide, Caustic Soda	-	A	B	B	A
Sodium Hydroxide Caustic Soda 65°C	B	A	B	C	-
Sodium Hypochlorite Solution	-	A	B	A	A
Sodium Nitrate	-	A	B	A	A
Sodium Nitrite	-	A	X	A	A
Sodium Peroxide Solution	-	A	B	A	A
Sodium Phosphate	-	A	A	A	A
Sodium Silicate Solution	-	A	A	A	A
Sodium Sulfate Solution (Glauber's Salt)	-	A	B	B	A
Sodium Sulfhydrate Solution	-	A	A	A	A
Sodium Sulfide	-	A	B	A	A
Sodium Sulfite Solution	-	A	A	A	A
Sodium Tetraborate Solution	-	A	B	A	A
Sodium Thiosulfate (Antichlor)	-	A	B	A	-



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Chemical	SBR	EPDM	NBR	FKM	FFKM
Soy Bean Oil	-	X	A	A	-
Sperm Oil	-	B	A	A	A
Spermacetin	-	X	A	A	A
Spirits	-	A	A	A	A
Stannic Chloride Solution	-	A	A	A	A
Starch	-	A	A	A	A
Stearic Acid	-	B	B	A	A
Stoddard Solvent	-	X	A	A	A
Styrene	-	X	X	A	*
Succinic Acid	-	A	A	A	A
Sucrose Sap	-	A	A	A	A
Sugar Solutions	-	A	A	A	A
Sulfur	-	A	X	A	A
Sulfur Chloride	-	X	X	A	A
Sulfur Dioxide (SO ₂)	-	A	X	B	A
Sulfur Dioxide Liquid (anhydrous)	-	A	X	X	A
Sulfur Dioxide, gaseous	-	A	X	X	A
Sulfur Hexafluoride (SF ₆)	-	A	B	B	A
Sulfuric Acid (0 to 50%)	-	A/B	X	A/B	A
Sulfuric Acid, diluted	-	A	B	A	A
Sulphuric Acid, 25% 65°C	C	B	X	A	-
Sulphuric Acid, 25%/50% 38°C	X	-	X	-	-
Sulphuric Acid, Fuming	X	X	X	X	-
Sulfurous Acid	-	B	-	A	A
Talcum	-	A	A	A	A
Tallow	-	B	A	A	A
Tannins	-	B	B	A	A
Tar	-	X	X	B	A
Tartaric Acid	-	B	A	A	A
Tetrachloroethane	X	X	X	B	A
Tetrachloroethylene	X	X	X	A	A
Tetrachloromethane	-	X	X	A	A
Tetraethyl Lead	X	X	B	A	A
Tetrahydrofuran	-	X	X	X	A
Thionyl Chloride	-	B	X	A	A
Thiophene	-	X	X	X	A
Titanium Tetrachloride	-	B	B	B	A
Toluene (Toluol)	X	X	X	B	A
Transformer Oil	-	X	B	A	A
Triacetin (Glycerine Triacetate)	-	A	B	X	A
Triaryl Phosphate	-	A	X	A	A
Tributoxy Ethyl Phosphate	-	B	X	B	A
Tributyl Marcaptane	-	X	X	A	A
Tributyl Phosphate	-	B	X	X	A
Trichloro Benzene	-	X	-	A	A
Trichloro Ethane	X	B/C	X	A	A
Trichloro Ethyl Phosphate	-	-	X	X	A
Trichloro Ethylene	X	B/C	X	B	A
Trichloroacetic Acid	-	B	B	X	A
Tricresyl Phosphate	-	B	X	B	A

Chemical	SBR	EPDM	NBR	FKM	FFKM
Triethanolamine	-	A	-	-	A
Triethyl Borane	-	-	-	A	A
Triethyl Glycol	-	A	A	A	A
Triethylaluminium	-	X	-	B	A
Trifluoro Ethane	-	X	X	A	A
Tri-Iso-Propyl Benzene	-	X	A	A	-
Trinitrotoluene (TNT)	-	X	X	B	A
Trioctyl Phosphate	-	A	X	B	A
Trisodium Phosphate Solution	-	A	A	A	A
Turpentine	-	X	A	A	A
Urea	-	A	A	A	A
Vaseline	-	X	A	A	A
Vaseline Oil	-	X	A	A	A
Vegetable Juices	-	A	A	A	A
Vegetable Oils	X	X	A	A	A
Vinegar	-	A	B	B	A
Vinyl Acetate	-	-	-	-	A
Vinyl Chloride, liquid	-	-	-	-	A
Vinylidene Chloride	-	X	X	B	A
Waste Gas (cont. Carbon Dioxide)	-	A	A	A	A
Waste Gas (cont. Carbon Monoxide)	-	A	A	A	A
Waste Gas (cont. Hydrogen Chloride)	-	A	B	A	A
Waste Gas (cont. Hydrogen Fluoride)	-	A	A	A	A
Waste Gas (cont. Nitrous Fumes)	-	A	-	A	A
Waste Gas (cont. Sulfur Dioxide)	-	A	B	A	A
Waste Gas (cont. Sulfuric Acid)	-	A	X	A	A
Water Steam, Under 149°C**	X	A	X	X	A
Water Steam, Over 149°C	X	X	X	X	A
Water to +135 °C / +275 °F	-	A	X	C	A
Water to +80 °C / +176 °F	-	A	B	B	A
Water, Fresh 82°C	A	A	A	A	A
Water, Salt 62°C	A	A	C	A	A
Water vapour < +140 °C / +284 °F	-	A	X	X	A
Water vapour > +140 °C / +284 °F	-	B	X	X	A
Wax Alcohols	-	X	A	A	A
Wine + Whiskey	A	A	A	A	A
White Liquor	A	X	A	-	-
White Oil	X	X	A	A	-
Wood Spirit	-	A	B	C	A
Wood Alcohol (methanol)	A	X	A	X	-
Xenon	-	A	A	A	A
Xylene (Xylol)	X	X	X	B	A
Xylidines (aromatic Amines)	-	B	X	X	A
Yeast	-	A	A	A	A
Zeolites	-	A	A	A	A
Zinc Acetate	-	A	B	B	A
Zinc Chloride Solutions	-	A	A	A	A
Zinc Sulfate	-	A	A	A	A

** For long term / continuous exposure to water steam the following materials are advised:
 Up to 60°C - Sulphur Cured EPDM / Up to 125°C - Peroxide Cured EPDM
 For short term / intermittent exposure to water steam, the following materials are advised:
 Up to 90°C - Sulphur Cured EPDM / Up to 150°C - Peroxide Cured EPDM



Chemical Compatibility Guide

The information in the chemical compatibility guide is intended to be for general reference purposes only and is based on research and tests that were conducted under laboratory conditions, predominantly at room temperature (unless otherwise stated).

Real world applications can vary especially in instances where more than one chemical may be used which can in effect, create a 'cocktail' of chemicals thus making it difficult to predict the effect they may have on the materials used in the seal. Higher temperatures can also cause some fluids to have a stronger effect on the elastomer used. Any reliance on information is therefore at the user's own risk.

While every effort is made to ensure the accuracy of information in the chart is correct, VIP will not be liable for any loss, damage, claim or expense directly or indirectly arising or resulting from the use of any information provided in this guide.

For further information on the suitability or recommendation of any particular material, please contact our technical team.