

Chemical Compatibility

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

Chemical Agents	EPDM	Natural	SBR	Butyl	Nitrile	Hypalon®	Viton®
Acetic Acid 50%	A	B	X	B	C	C	X
Acetic Acid, Glacial	B	X	X	B	X	X	X
Acetic Ester (Ethyl Acetate)		X	X	B	X	X	X
Acetone	A	B	B	A	X	X	X
Acetylene	B	B	B	A	A	B	A
Alcohols, Aliphatic	B	A	B		A	A	
Alcohols, Aromatic	X	C	X		C		
Ammonia, Liquid	A	B	B	A	A	A	A
Ammonia, In water	A	B	B	B	B	B	B
Ammonia, Gas (Cold)	A	A	A	A	A	A	X
Ammonia, Gas 65°C	B	C	C	B	C	B	X
Aniline	X	X	X	B	X	C	B
Antifreeze (Ethylene Glycol)	A	A	A	A	A	A	A
Aviation Gasoline	X	X	X	X	A	X	A
Benzene (Benzol)	X	X	X	X	X	X	A
Bleach Solutions	A	X	X	B	X	C	B
Bromine	X	X	X	X	X	X	A
Bromine Water						A	A
Butanol, (Butyl Alcohol)	A	A	A	A	A	A	A
Calcium Chloride 65°C	A	A	A	A	A	A	A
Carbon Tetrachloride	X	X	X	X	C	X	A
Castor Oil	B	B	B	B	A	A	A
Caustic Soda (Sodium Hydroxide) 65°C		A	B	A	B	B	C
Chlorine Gas Dry	X	X	X	X	X	X	B
Chlorine, Water Solutions	C	C	X	C	X	C	A
Chromic Acid 38 °C	C	X	X	C	X	B	C
Citric Acid	A	A	A	A	A	A	A
Cresols	X	X	X	X	X	X	A
Crude Oil	X	X	X	X	A	X	A
Cupric Sulphate	A	C	B	A	A	B	A
Cyclohexane	X	X	X	X	B	X	A
Detergent Solutions	A	A	A	A	A	A	B
Dibenzyl Ether	X	X	X	B	X	X	C
Dibutylphthalate	A	C	X	B	X	X	B
Diesel Oil 65°C	X	X	X	X	A	C	A
Diethyl Phthalate (DOB)	B	X	X	C	X	X	A
Ethylene Glycol 65°C	A	A	A	A	A	A	A
Ethyl Ether	X	X	X	X	C	X	X
Ferric Chloride 65°C	A	A	A	A	A	A	A
Fluorine	X	X	X	X	X	X	X
Formic Acid	X	A	A	A	A	A	X
Freon 11	X	X	X	X	A	A	A
Freon 12	B	X	X	X	B	X	B
Freon 13	A	A	A	A	A	A	A
Freon 21	X	X	X	X	X	X	X
Freon 22	A	X	X	C	X	X	X
Freon 31	A	B	B	A	X	B	X
Freon 32	X	A	A	A	A	A	C
Freon 112	X	X	X	X	B	B	A

Chemical Compatibility (continued)

Chemical Agents	EPDM	Natural	SBR	Butyl	Nitrile	Hypalon®	Viton®
Freon 113	X	C	B	X	A	A	B
Freon 114	A	A	A	A	A	A	B
Freon 115	A	A	A	A	A	A	B
Furfural	X	X	X	B	X	B	X
Gasoline, Reg	X	X	X	X	A	X	A
Gasoline, Lead Free	X	X	X	X	A	X	A
Hexane	X	X	X	X	A	B	A
Hydrochloric Acid 37% 52°C	B	A	B	A	C	A	A
Hydrochloric Acid 100%	C	B		C		B	C
Hydrogen Peroxide 10%	X	X	C	X	C	A	
Hydrogen Peroxide 90%	C	X	X	X	X	X	B
Kerosene	A	X	X	X	A	X	A
Liquified Petroleum Gas	X	X	X	X	A	B	A
Lubricating Oils	X	X	X	X	A	C	A
Methane	X	X	X	X	A	B	A
Methyl Alcohol (Methanol)	A	A	A	A	A	A	C
Methyl Ethyl Ketone (MEK)	B	X	X	B	X	X	X
Methyl Isobutyl Ketone (MIBK)	B	X	X	B	X	X	X
Naptha	X	X	X	X	C	X	A
Natural Gas	C	X	X	X	A	B	A
Nitric Acid 10% 79°C	C	X	X	B	X	B	X
Nitric Acid 30% to 70%	X	X	X	C	X	X	C
Nitric Acid, Red Fuming	X	X	X	X	X	X	X
Oxygen, Cold	A	B	B	A	B	B	A
Ozone	A	X	X	C	X	A	A
Perachloroethylene	X	X	X	X	X	X	A
Phenol 52°C	C	C	C	B	X	C	A
Potassium Hydroxide 65°C	A	A	B	A	B	B	C
Propane Gas	X	X	X	X	A	A	A
Salicylic Acid	A	A	B	A	A		A
Salt Water (Sea Water)	A	A	A	A	A	A	A
Sewage	B	C	C	C	A	A	A
Skydrol Hydraulic Fluids	A	X	X	B	X	X	B
Soda Caustic (Sodium Hydroxide) 65°C	A	A	B	A	B	B	C
Sodium Carbonate 65°C	A	A	A	A	A	A	A
Sodium Hydroxide 65°C	A	A	B	A	B	B	C
Steam, Under 149°C	A	X	X	A	X	X	X
Steam, Over 149°C	B	X	X	C	X	X	X
Sulphuric Acid, 25% 65°C	B	B	C	B	X	A	A
Sulphuric Acid, 25%/50% 38°C		B	X	A	X	A	
Sulphuric Acid, Fuming	X	X	X	X	X	X	X
Tetrachloroethane	X	X	X	X	X	X	A
Tetrachloroethelyne	X	X	X	X	X	X	A
Tetraethyl Lead	X	X	X	X	B	X	A
Toluene	X	X	X	X	X	X	A
Trichloroethane	X	X	X	X	X	X	A
Trichloroethylene	X	X	X	X	X	X	A
Vegetable Oils	A	X	X	A	A	B	A
Water, Fresh 82°C	X	A	A	A	A	A	A
Water, Salt 62°C	X	A	A	A	C	A	A
Whiskey, Wines	X	A	A	A	A	A	A
White Liquor	X	A	A		A	A	
White Oil	X	X	X	X	A	X	A
Wood Alcohol (methanol)	X	A	A	A	A	A	X
Xylene (Xylol)	X	X	X	X	X	X	A

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