

Material	NR	SBR	CR	NBR	IIR	CSM	EPDM	FKM	XLPE
Calcium hydroxide	●	●	●	●	●	●	●	●	●
Calcium hypochlorite	●	●	●	●	●	●	●	●	●
Caliche liquors	●	●	●	●	●	●	●	●	●
Cane sugar liquors	●	●	●	●	●	●	●	●	●
Caproic acid	●	●	●	●	●	●	●	●	●
Carbolic acid, phenol	●	●	●	●	●	●	●	●	●
Carbón dioxide, dry/wet	●	●	●	●	●	●	●	●	●
Carbón disulfide	●	●	●	●	●	●	●	●	●
Carbon monoxide 150°F(65°C)	●	●	●	●	●	●	●	●	●
Carbon tetrachloride	●	●	●	●	●	●	●	●	●
Castor oil	●	●	●	●	●	●	●	●	●
Cellosolve acetate	●	●	●	●	●	●	●	●	●
CFC-12	●	●	●	●	●	●	●	●	●
China wood oil, tung oil	●	●	●	●	●	●	●	●	●
Chlorine, dry/wet	●	●	●	●	●	●	●	●	●
Chlorinated solvents	●	●	●	●	●	●	●	●	●
Chloroacetic acid	●	●	●	●	●	●	●	●	●
Chlorobenzene	●	●	●	●	●	●	●	●	●
Chlorobutane	●	●	●	●	●	●	●	●	●
Chloroform	●	●	●	●	●	●	●	●	●
Chlorosulfonic acid	●	●	●	●	●	●	●	●	●
Chromic acid	●	●	●	●	●	●	●	●	●
Citric acid	●	●	●	●	●	●	●	●	●
Coke oven gas	●	●	●	●	●	●	●	●	●
Copper chloride 150°F(65°C)	●	●	●	●	●	●	●	●	●
Copper sulfate 150°F(65°C)	●	●	●	●	●	●	●	●	●
Corn oil	●	●	●	●	●	●	●	●	●
Cottonseed oil	●	●	●	●	●	●	●	●	●
Creosote, coal tar	●	●	●	●	●	●	●	●	●
Creosols, cresylic acid	●	●	●	●	●	●	●	●	●
Chromic acid	●	●	●	●	●	●	●	●	●
Cyclohexane	●	●	●	●	●	●	●	●	●
Cyclohexanol	●	●	●	●	●	●	●	●	●
Cyclohexanone	●	●	●	●	●	●	●	●	●
Cyclohexanolamine	●	●	●	●	●	●	●	●	●
Dibutyl ketone	●	●	●	●	●	●	●	●	●
Dichlorobenzene	●	●	●	●	●	●	●	●	●
Dichloroethylene	●	●	●	●	●	●	●	●	●
Diesel fuel	●	●	●	●	●	●	●	●	●
Diethanolamine 20%	●	●	●	●	●	●	●	●	●
Diethylamine	●	●	●	●	●	●	●	●	●
Diisopropylamine	●	●	●	●	●	●	●	●	●
Dimethylamine	●	●	●	●	●	●	●	●	●
Dimethylformamide	●	●	●	●	●	●	●	●	●
Dimethylsulphoxide	●	●	●	●	●	●	●	●	●
Diethylphthalate	●	●	●	●	●	●	●	●	●
Ethers	●	●	●	●	●	●	●	●	●
Ethyl acetate	●	●	●	●	●	●	●	●	●
Ethyl alcohol	●	●	●	●	●	●	●	●	●
Ethyl cellulose	●	●	●	●	●	●	●	●	●
Ethyl chloride	●	●	●	●	●	●	●	●	●
Ethylene glycol	●	●	●	●	●	●	●	●	●
Ferric chloride 1 50°F(65°C)	●	●	●	●	●	●	●	●	●
Ferric sulfate 150°F(65°C)	●	●	●	●	●	●	●	●	●
Formaldehyde	●	●	●	●	●	●	●	●	●
Formic acid	●	●	●	●	●	●	●	●	●
Fuel oil	●	●	●	●	●	●	●	●	●
Furfural	●	●	●	●	●	●	●	●	●
Gasoline unleaded	●	●	●	●	●	●	●	●	●
Gasoline + MTBE	●	●	●	●	●	●	●	●	●
Hi Test+MTBE	●	●	●	●	●	●	●	●	●
Gelatin	●	●	●	●	●	●	●	●	●
Glucose	●	●	●	●	●	●	●	●	●
Glue	●	●	●	●	●	●	●	●	●
Glycerin, glycerol	●	●	●	●	●	●	●	●	●
Green sulfate liquor	●	●	●	●	●	●	●	●	●
HFC--134A	●	●	●	●	●	●	●	●	●

NR Natural
Excellent physical properties. Excellent abrasión resistance.
Poor resistance to oils.

SBR Styrene-butadiene
Excellent physical properties. Excellent abrasión resistance.
Poor resistance to oils.

CR Chloroprene
Excellent ozoneand ageing properties. Flame retarding. Good
resistance to petroleum based fluids. Good physical properties.

NBR Acrylonitrile-butadiene
Excellent resistance to oils. Good physical properties.

IIR Butyl
Good weathering resistance. Low permeability to air. Good
physical properties. Poor resistance to oils.

CSM Hypalon (Chlorosulfonyl-polyethylene)
Excellent ozone and ageing properties. Good heat and
abrasión resistance. Good resistance to petroleum based fluids.

EPDM Ethylene-propylene-diene-terpolymer
Excellent ozone, chemical and ageing properties. Good heat
resistance. Poor resistance to oils.

FKM Viton (Fluoroelastomer)
Excellent high temperature resistance. Very good chemical and
oil resistance.

XLPE Cross Linked Polyethylene
Excellent resistance to most solvents and chemicals.

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Petroleum hydraulic fluids	●	●	●	●	●	●	●		
Phosphate ester alkyl	●	●	●	●	●	●	●		
Phosphate ester aryl	●	●	●	●	●	●	●		
Phosphate ester blends	●	●	●	●	●	●	●		
Silicate ester	●	●	●	●	●	●	●		
Water glycol	●	●	●	●	●	●	●	●	
Hydrobromic acid	●	●	●	●	●	●	●	●	
Hydrochloric acid	●	●	●	●	●	●	●	●	●
Hydrocyanic acid	●	●	●	●	●	●	●	●	●
Hydrofluoric acid	●	●	●	●	●	●	●	●	●
Hydrofluosilicic acid	●	●	●	●	●	●	●	●	●
Hydrogen cyanide	●	●	●	●	●	●	●	●	●
Hydrogen gas	●	●	●	●	●	●	●	●	●
Hydrogen peroxide	●	●	●	●	●	●	●	●	●
Hydrogen sulfide, dry	●	●	●	●	●	●	●	●	●
Hydrogen sulfide, wet	●	●	●	●	●	●	●	●	●
Isobutyl alcohol	●	●	●	●	●	●	●	●	●
Isopropyl alcohol	●	●	●	●	●	●	●	●	●
Isooctane	●	●	●	●	●	●	●	●	●
Kerosene	●	●	●	●	●	●	●	●	●
Lacquers	●	●	●	●	●	●	●	●	●
Lacquers solvents	●	●	●	●	●	●	●	●	●
Lactic acid	●	●	●	●	●	●	●	●	●
Linseed oil	●	●	●	●	●	●	●	●	●
Lubricating oil, crude	●	●	●	●	●	●	●	●	●
Lubricating oil, refined	●	●	●	●	●	●	●	●	●
Magnesium chloride 150°F(65°C)	●	●	●	●	●	●	●	●	●
Magnesium hydroxide 150°F(65°C)	●	●	●	●	●	●	●	●	●
Magnesium sulfate 150°F(65°C)	●	●	●	●	●	●	●	●	●
Mercuric chloride	●	●	●	●	●	●	●	●	●
Mercury	●	●	●	●	●	●	●	●	●
Methyl alcohols methanol	●	●	●	●	●	●	●	●	●
Methyl acrylate	●	●	●	●	●	●	●	●	●
Methyl chloride	●	●	●	●	●	●	●	●	●
Methyl ethyl ketone	●	●	●	●	●	●	●	●	●
Methyl isopropyl ketone	●	●	●	●	●	●	●	●	●
MTBE									●
Milk	●	●	●	●	●	●	●	●	●
Mineral oils	●	●	●	●	●	●	●	●	●
Naphtha	●			●	●	●	●	●	●
Naphthalene	●			●	●	●	●	●	●
Natural gas	●	●	●	●	●	●	●	●	●
Nickel chloride 150°F(65°C)	●	●	●	●	●	●	●	●	●
Nickel sulfate 150°F(65°C)	●	●	●	●	●	●	●	●	●
Nitric acid, crude	●	●	●	●	●	●	●	●	●
Nitric acid, Diluted 10%	●	●	●	●	●	●	●	●	●
Nitric acid, Concentrated 70%	●	●	●	●	●	●	●	●	●
Nitrobenzene	●	●	●	●	●	●	●	●	●
Nitrogen gas	●			●	●	●	●	●	●
Octane	●			●	●	●	●	●	●
Oleic acid	●	●	●	●	●	●	●	●	●
Oleum	●	●	●	●				●	
Oxalic acid	●	●	●	●	●	●	●	●	●
Ozone gas	●			●	●	●	●	●	●
Oxygen	●	●	●	●	●	●	●	●	●
Palmitic acid	●	●	●	●	●	●	●	●	●
Pentane	●	●		●	●	●	●	●	●
Perchloroethylene	●	●	●	●	●	●	●	●	●
Petroleum oils and crude 200°F (95°C)	●	●	●	●	●	●	●	●	●
Phenol	●			●	●	●	●	●	●
Phosphoric acid crude	●	●	●	●	●	●	●	●	●
Phosphoric acid pure 45%	●	●	●	●	●	●	●	●	●
Phthalic acid 50%	●	●	●	●	●	●	●	●	●
Picric acid, molten	●	●	●	●	●				
Picric acid, water solution	●	●	●	●	●	●		●	
Potassium chloride	●	●	●	●	●	●	●	●	●
Potassium cyanide	●	●	●	●	●	●	●	●	●

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Potassium hydroxide	●	●	●	●	●	●	●	●	●
Potassium sulfate	●	●	●	●	●	●	●	●	●
Propane	●	●	●	●	●	●	●	●	●
Propylene glycol	●	●	●	●	●	●	●	●	●
Pyridine	●	●	●	●	●	●	●	●	●
Sewage	●	●	●	●	●	●	●	●	●
Silicon oil	●	●	●	●	●	●	●	●	●
Soap solutions	●	●	●	●	●	●	●	●	●
Soda ash sodium carbonate	●	●	●	●	●	●	●	●	●
Sodium bicarbonate, baking soda	●	●	●	●	●	●	●	●	●
Sodium bisulfate	●	●	●	●	●	●	●	●	●
Sodium chloride	●	●	●	●	●	●	●	●	●
Sodium cyanide	●	●	●	●	●	●	●	●	●
Sodium hydroxide	●	●	●	●	●	●	●	●	●
Sodium hypochlorite	●	●	●	●	●	●	●	●	●
Sodium metaphosphate	●	●	●	●	●	●	●	●	●
Sodium nitrate	●	●	●	●	●	●	●	●	●
Sodium perborate	●	●	●	●	●	●	●	●	●
Sodium peroxide	●	●	●	●	●	●	●	●	●
Sodium phosphate, monobasic	●	●	●	●	●	●	●	●	●
Sodium phosphate, dibasic	●	●	●	●	●	●	●	●	●
Sodium phosphate, tribasic	●	●	●	●	●	●	●	●	●
Sodium silicate	●	●	●	●	●	●	●	●	●
Sodium sulfate	●	●	●	●	●	●	●	●	●
Sodium sulfide	●	●	●	●	●	●	●	●	●
Sodium thiosulfate, "hypo"	●	●	●	●	●	●	●	●	●
Soybean oil	●	●	●	●	●	●	●	●	●
Stannic chloride	●	●	●	●	●	●	●	●	●
Steam 450° F(230°C)	●	●	●	●	●	●	●	●	●
Stearic acid	●	●	●	●	●	●	●	●	●
Sulfur	●	●	●	●	●	●	●	●	●
Sulfur chloride	●	●	●	●	●	●	●	●	●
Sulfur dioxide, dry	●	●	●	●	●	●	●	●	●
Sulfur trioxide, dry	●	●	●	●	●	●	●	●	●
Sulfuric acid, 10%	●	●	●	●	●	●	●	●	●
Sulfuric acid, 11 %-75%	●	●	●	●	●	●	●	●	●
Sulfuric acid, 76%-95%	●	●	●	●	●	●	●	●	●
Sulfuric acid, fuming	●	●	●	●	●	●	●	●	●
Sulfurous acid	●	●	●	●	●	●	●	●	●
Tannic acid	●	●	●	●	●	●	●	●	●
Tar	●	●	●	●	●	●	●	●	●
Tartaric acid	●	●	●	●	●	●	●	●	●
Tetrachloroethane	●	●	●	●	●	●	●	●	●
Tetrachloromethane	●	●	●	●	●	●	●	●	●
Thiophene	●	●	●	●	●	●	●	●	●
Toluene, Toluol	●	●	●	●	●	●	●	●	●
Trichloroethylene	●	●	●	●	●	●	●	●	●
Triethanolamine	●	●	●	●	●	●	●	●	●
Turpentine	●	●	●	●	●	●	●	●	●
Urea, water solution	●	●	●	●	●	●	●	●	●
Vaseline	●	●	●	●	●	●	●	●	●
Vinegar	●	●	●	●	●	●	●	●	●
Vinyl acetate	●	●	●	●	●	●	●	●	●
Vinyl chloride	●	●	●	●	●	●	●	●	●
Water, acid mine	●	●	●	●	●	●	●	●	●
Water, fresh	●	●	●	●	●	●	●	●	●
Water, distilled	●	●	●	●	●	●	●	●	●
Whiskey and wines	●	●	●	●	●	●	●	●	●
Xylene, Xylol	●	●	●	●	●	●	●	●	●
Zinc chloride	●	●	●	●	●	●	●	●	●
Zinc sulfate	●	●	●	●	●	●	●	●	●

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