

# Chemical Resistance Guide for Silicone Hose

Chemical	*	Chemical	*	Chemical	*
Acetic acid, dilute, 10%	B	Isobutyl alcohol	A	Nitrobenzene	C
Acetic acid glacial	C	Isopropyl alcohol	A	Oleic acid	X
Acetic acid anhydride	I	Isooctane	X	Oleum	I
Acetone	X	Kerosene	X	Oxalic acid	B
Acetylene	C	Lacquers	X	Oxygen	X
Air 68 °F (20 °C)	A	Lacquers solvents	X	Palmitic acid	X
Air 150 °F (65 °C)	A	Lactic acid	A	Perchlorethylene	C
Aluminum chloride 150 °F (65 °C)	A	Linseed oil	A	Petroleum oils and crude 200 °F (95 °C)	X
Aluminum fluoride 150 °F (65 °C)	B	Lubricating oil, crude	C	Phosphoric acid, crude	C
Aluminum sulfate 150 °F (65 °C)	A	Lubricating oil, refined	C	Phosphoric acid, pure 45%	C
Alums 150 °F (65 °C)	A	Magnesium chloride 150 °F (65 °C)	A	Picric acid, molten	X
Ammonia gas, anhydrous	I	Magnesium hydroxide 150 °F (65 °C)	B	Picric acid, water solution	I
Ammonia 10%water solution	A	Magnesium sulfate 150 °F (65 °C)	A	Potassium chlorite	A
Ammonia 30%water solution	C	Mercuric chloride	A	Potassium cyanide	A
Ammonium chloride	C	Mercury	A	Potassium hydroxide	C
Ammonium hydroxide	C	Methyl alcohol, methanol	A	Potassium sulfate	A
Ammonium nitrate	A	Methyl chloride	X	Propane	X
Ammonium phosphate monobasic	A	Calcium chloride	A	Sewage	B
Ammonium phosphate dibasic	A	Calcium hydroxide	A	Soap solution	A
Ammonium phosphate tribasic	A	Calcium hypochlorite	C	Soda ash, sodium carbonate	A
Ammonium sulfate	A	Caliche liquors	B	Sodium bicarbonate, baking soda	A
Amyl acetate	X	Cane sugar liquors	A	Sodium bisulfate	A
Amyl alcohol	X	Carbolic acid, phenol	X	Sodium chloride	A
Aniline, Aniline oil	X	Carbon dioxide, dry-wet	A	Sodium cyanide	A
Aniline, dyes	X	Carbon disulfide	X	Sodium hydroxide to 50% at 140 °F	A
Asphalt	I	Carbon monoxide 140 °F (60 °C)	A	Sodium hypochlorite	B
Barium chloride 150 °F (65 °C)	A	Carbon tetrachloride	X	Sodium metaphosphate	A
Barium hydroxide 150 °F (65 °C)	A	Castor oil	A	Sodium nitrate	X
Barium sulfide 150 °F (65 °C)	A	Cellosolve acetate	X	Sodium perborate	B
Beer	A	CFC-12	I	Sodium peroxide	C
Beet sugar liquors	A	China wood oil, tung oil	X	Sodium phosphate, monobasic	X
Benzene, Benzol	X	Chlorine, dry/wet	X	Sodium phosphate, dibasic	X
Benzine, petroleum ether	X	Chlorinated solvents	X	Sodium phosphate, tribasic	X
Benzine, petroleum naphtha	X	Chloroacetic acid	I	Sodium silicate	A
Black sulfate liquor	A	Chlorosulfonic acid	X	Sodium sulfate	A
Blast furnace gas	A	Chromic acid	C	Sodium sulfide	A
Borax	B	Citric acid	A	Sodium thiosulfate, hypo	I
Boric acid	A	Coke oven gas	B	Soybean oil	A
Bromine	X	Copper chloride 150 °F (65 °C)	A	Stannic chloride	B
Butane	X	Copper sulfate 150 °F (65 °C)	A	Steam 450 °F (230 °C)	I
Butyl acetate	X	Corn oil	A	Stearic acid	A
Butyl alcohol, Butanol	C	Cottonseed oil	A	Sulfur	B
Calcium bisulfate	C	Creosote, coal tar	C	Sulfur chloride	C
Formaldehyde	B	Creosote, coal tar wood	X	Sulfur dioxide, dry	B
Formic acid	C	Creosols, cresylic acid	I	Sulfur trioxide, dry	B
Fuel oil	X	Dichlorobenzene	X	Sulfuric acid, 10%	X
Furfural	X	Dichloroethylene	X	Sulfuric acid, 11% - 75%	X
Gasoline, unleaded	X	Diesel fuel	X	Sulfuric acid, 76% - 95%	X
Gasoline + MTBE	X	Diethanolamine 20%	X	Sulfuric acid, fuming	X
Gasoline Hi Test + MTBE	X	Diethylamine	B	Sulfurous acid	X
Gelatin	A	Diisopropylamine	I	Tannic acid	B
Glucose	A	Dioctylphthalate	X	Tar	B
Glue	A	Ethers	X	Tartaric acid	A
Glycerine, glycerol	A	Ethyl acetate	B	Toluene, Toluol	X
Green sulfate liquor	A	Ethyl alcohol	A	Trichloroethylene	X
HFC-134	I	Ethyl cellulose	C	Turpentine	X
Hydraulic fluids: Petroleum	C	Ethyl chloride	C	Urea, water solution	A
Hydraulic fluids: Phosphate ester alkyl	X	Ethyl glycol	A	Vinegar	A
Hydraulic fluids: Phosphate ester aryl	X	Ferric chloride 150 °F (65 °C)	A	Vinyl acetate	X
Hydraulic fluids: Phosphate ester blends	X	Ferric sulfate 150 °F (65 °C)	B	Water, acid mine	A
Hydraulic fluids: Silicate ester	X	Methyl ethyl ketone	X	Water, fresh	A
Hydraulic fluids: Water glycol	A	Methyl isopropyl ketone	C	Water, distilled	A
Hydrobromic acid	X	Milk	A	Whiskey and wines	A
Hydrochloric acid	X	MTBE	I	Xylene, xylol	X
Hydrocyanic acid	B	Mineral oils	A	Zinc chloride	A
Hydrofluoric acid	X	Natural gas	C	Zinc sulfate	A
Hydrofluosilicic acid	I	Nickel chloride 150 °F (65 °C)	A		
Hydrogen gas 140 °F (60 °C)	C	Nickel sulfate 150 °F (65 °C)	A		
Hydrogen peroxide	A	Nitric acid, crude	X		
Hydrogen sulfide, dry	X	Nitric acid, diluted 10%	C		
Hydrogen sulfide, wet	X	Nitric acid, concentrated 70%	X		

**\* Resistance**  
A = Good Resistance  
B = Fair Resistance  
C = Poor Resistance