

WARNING

The information in this chart has been gathered from personal knowledge and experience within the sealing industry and in conjunction of reputable internet sources. It should be used as a reference guide only. This charts intended purpose is to assist in determining the suitability of certain chemicals with certain products in the Gaskets Inc product line. Please note that there are additional factors involved in determining suitability. Factors including but not limited to temperature, environmental exposures, compression force placed on seal, etc. Determining the suitability of various seals and materials pertinent to their individual application falls solely on the user. Gaskets Inc does not guarantee that the information in this chart is accurate as the chart is intended for referencing purposes only.

LEGEND: A =Compatible, B = Fair, C = Not Ideal, D = Not Compatible, X = Data not Available

	Neoprene	Silicone	Viton	Fiberglass	Vermiculite	Basalt	Ceramic
Acetic Acid, 5%	A	A	A	A	A	A	A
Acetic Anhydride	B	B	D	A	A	A	A
Acetone	D	D	D	A	A	A	A
Acetyl Acetone	D	D	D	A	A	A	A
Acetyl Bromide	D	D	A	A	A	A	A
Acetyl Chloride	D	D	A	A	A	A	A
Acetylene	B	B	B	A	A	A	A
Alkyl Acetone	A	B	C	A	A	D	A
Alkyl Alcohol	B	B	A	A	A	D	A
Alkyl Chloride	D	X	A	A	A	D	A
Alkyl Sulfide	D	X	A	A	A	D	A
Aluminum Acetate	B	D	D	A	A	A	A
Aluminum Chloride	A	B	A	A	A	A	A
Aluminum Hydroxide	X	B	B	A	A	A	A
Aluminum Nitrate	A	B	A	A	A	A	A
Aluminum Phosphate	A	B	A	A	A	A	A
Aluminum Sodium Sulfate	A	B	C	A	A	A	A
Aluminum Sulfate	A	A	A	A	A	A	A
Ammonia (Anhydrous)	A	B	D	A	A	A	A
Ammonia, Gas, Cold	A	A	D	A	A	A	A
Ammonia, Gas, Hot	B	X	D	A	A	A	A
Ammonia, Liquid	A	B	D	A	A	A	A
Ammonium Acetate	A	B	C	X	X	A	X
Ammonium Chloride, 2N	A	X	A	X	X	A	X
Ammonium Fluoride	A	X	A	X	X	A	X
Ammonium Hydroxide	A	A	A	A	A	A	A
Ammonium Nitrite	A	B	X	A	A	A	A
Ammonium Oxalate	A	B	C	A	A	A	A
Ammonium Phosphite	A	B	C	A	A	A	A
Ammonium Salts	A	A	C	A	A	A	A
Ammonium Sulfate	A	X	D	A	A	A	A
Ammonium Sulfate Nitrate	A	X	D	A	A	A	A
Ammonium Sulfide	A	X	D	A	A	A	A
Ammonium Sulfite	A	B	C	A	A	A	A
Amyl Alcohol	B	D	B	A	A	A	A
Animal Fats	B	X	A	A	A	A	A
Animal Oil (Lard Oil)	B	B	A	X	X	A	X
Anti-freeze Solutions	A	B	C	X	X	A	X
Argon	A	A	A	A	A	A	A
Automotive Brake Fluid	B	C	D	X	X	A	X
Barium Chlorate	A	B	C	A	A	A	A

Barium Chloride	A	A	A	A	A	A	A
Barium Cyanide	A	A	A	A	A	A	A
Barium Hydroxide	A	A	A	A	A	A	A
Barium Iodide	A	A	A	A	A	A	A
Barium Nitrate	A	B	C	A	A	A	A
Barium Oxide	A	A	A	A	A	A	A
Barium Peroxide	A	B	C	A	A	A	A
Barium Polysulfide	A	B	C	A	A	A	A
Barium Salts	A	A	A	A	A	A	A
Barium Sulfate	A	X	A	A	A	A	A
Barium Sulfide	A	A	A	A	A	A	A
Beet Sugar Liquids	A	X	A	X	X	A	X
Beet Sugar Liquors	A	A	A	A	A	A	A
Benzaldehyde	D	B	D	A	A	A	A
Benzamide	D	X	A	A	A	A	A
Benzanthrone	D	X	A	A	A	A	A
Benzene	D	D	A	A	A	A	A
Benzene Hexachloride	X	X	X	X	X	A	X
Benzyl Acetate	A	B	C	X	X	A	X
Benzyl Alcohol	B	B	A	X	X	A	X
Benzyl Benzoate	D	D	A	X	X	A	X
Benzyl Bromide	D	D	A	X	X	A	X
Bleach Solutions	X	X	A	X	X	A	X
Borax	D	B	A	A	A	A	A
Borax Solutions	X	X	A	A	A	A	A
Boric Oxide	A	B	C	A	A	A	A
Brake Fluid DOT3 (Glycol Type 3)	B	C	D	X	X	A	X
Brine	X	X	A	X	X	A	X
Bromine	D	D	A	X	X	A	X
Butane	A	D	A	A	A	A	A
Butter-Animal Fat	B	B	A	X	X	A	X
Butyl Acetate	D	X	D	A	A	A	A
Butyl Alcohol	A	B	A	A	A	A	A
Butylene	C	D	A	A	A	A	A
Butyraldehyde	D	D	D	A	A	A	A
Butyric Acid	D	X	B	A	A	A	A
Butyric Anhydride	A	B	C	A	A	A	A
Butyrolactone	A	B	C	A	A	A	A
Butyryl Chloride	D	X	A	A	A	A	A
Cadmium Chloride	A	B	C	X	X	A	X
Cadmium Sulfate	A	B	C	X	X	A	X
Cadmium Sulfide	A	B	C	X	X	A	X
Calcium Carbonate	A	A	A	A	A	A	A
Calcium Chlorate	A	B	C	A	A	A	A
Calcium Chloride	A	A	A	A	A	A	A
Calcium Hydride	A	A	A	A	A	A	A
Calcium Hydrosulfide	A	B	C	A	A	A	A
Calcium Hydroxide	A	A	A	A	A	A	A
Calcium Oxide	A	A	A	A	A	A	A
Calcium Silicate	A	X	A	A	A	A	A
Calcium Sulfate	A	B	C	A	A	A	A
Calcium Sulfide	A	B	C	A	A	A	A
Cane Sugar Liquors	A	A	A	A	A	A	A
Carbon Tetrachloride	D	D	A	X	X	A	X
Carbonic Acid	A	A	A	A	A	A	A

Castor Oil	A	A	A	X	X	A	X
Caustic Lime	A	B	C	X	X	A	X
Chlordane	C	D	A	A	A	A	A
Chloric Acid	A	B	C	A	A	A	A
Chlorinated Solvents, We	D	D	A	X	X	A	X
Chlorine	D	X	A	X	X	A	X
Chlorine Dioxide	D	X	A	A	A	A	A
Chlorine Water	D	X	A	A	A	A	A
Chloroform	D	D	A	A	A	A	A
Chlorohydrin	A	B	C	A	A	A	A
Chrome Alum	A	A	A	A	A	A	A
Chrome Plating Solutions	D	B	A	A	A	A	A
Chromic Acid	D	X	A	A	A	A	A
Chromic Oxide	D	X	A	A	A	A	A
Chromium Potassium Sulfate	X	X	A	A	A	A	A
Citric Acid	A	A	A	A	A	A	A
Copper Acetate	B	D	D	A	A	A	A
Copper Ammonium Acetate	A	B	C	A	A	A	A
Copper Carbonate	A	B	C	A	A	A	A
Copper Chloride	B	A	A	A	A	A	A
Denatured Alcohol	A	A	A	A	A	A	A
Detergent, Water Solution	B	A	A	A	A	A	A
Epoxy Resins	A	X	D	A	A	A	A
Ethanol	A	B	C	A	A	A	A
Ethyl Nitrite	A	B	C	X	X	A	X
Ethyl Silicate	A	X	A	X	X	A	X
Ethylene	D	D	B	A	A	A	A
Ethylene Chloride	D	D	B	A	A	A	A
Ethylene Glycol	A	A	A	A	A	A	A
Ethylene Hydrochloride	D	D	A	A	A	A	A
Ethylene Oxide	D	D	D	A	A	A	A
Fluorosilicic Acid	A	X	B	A	A	D	A
Formaldehyde	C	B	D	A	A	A	A
Fumaric Acid	B	B	A	X	X	A	X
Gasoline	D	D	A	A	A	A	A
Glycerine (Glycerol)	A	A	A	A	A	A	A
Glyoxylic Acid	A	B	C	X	X	A	X
Hydrobromic Acid	D	D	A	A	A	A	A
Hydrocarbons, Saturated	B	D	A	X	X	A	X
Hydrochloric Acid 37%	D	X	A	A	A	A	A
Hydrofluoric Acid	B	D	A	D	D	A	D
Hydrogen Chloride gas	B	X	A	X	X	A	X
Hydrogen Fluoride	X	X	D	D	D	A	D
Hydrogen Gas	A	C	A	A	A	A	A
Hydrogen Peroxide	A	A	A	A	A	A	A
Hydrogen Sulfide	C	C	D	X	X	A	X
Hydrogen Sulfide+158:16	B	X	A	X	X	A	X
Iodine	D	X	A	A	A	A	A
Isobutyl Alcohol	A	A	A	A	A	A	A
Isobutyl Chloride	D	X	A	A	A	A	A
Isobutyl Ether	C	X	D	A	A	A	A
Isobutylene	D	X	A	A	A	A	A
Isopropanol	B	A	A	A	A	A	A
Isopropyl Acetate	D	D	D	X	X	X	X

Isopropyl Alcohol	B	A	A	A	A	A	A
Kerosene	B	D	A	A	A	A	A
Lithium Carbonate	A	B	C	X	X	A	X
Lithium Hydroxide	A	B	C	X	X	A	X
Lithium Nitrate	A	B	B	X	X	A	X
Lithium Nitrite	A	B	C	X	X	A	X
Magnesium Hydroxide	B	X	A	A	A	A	A
Magnesium Sulfite	A	A	A	X	X	X	X
Mercury	A	X	A	X	X	A	X
Methane	B	D	A	A	A	A	A
Methanol	A	A	D	A	A	A	A
Methyl Alcohol	A	A	D	A	A	A	A
Methyl Carbonate	D	D	A	A	A	A	A
Mineral Oils	B	B	A	A	A	A	A
Natural Gas	A	D	A	A	A	A	A
Neatsfoot Oil	D	B	A	A	A	A	A
Neon	A	A	A	A	A	A	A
Nickel Acetate	B	D	D	A	A	A	A
Nickel Ammonium Sulfate	A	B	C	A	A	A	A
Nickel Chloride	B	A	A	A	A	A	A
Nickel Cyanide	A	B	C	X	X	A	X
Nickel Nitrate	A	B	C	A	A	A	A
Nickel Sulfate	A	A	A	A	A	A	A
Nitrogen	A	A	A	A	A	A	A
Nitrogen Oxides	A	B	C	A	A	A	A
Nitroglycerine	A	B	C	X	X	A	X
Nitrous Acid	A	B	C	A	A	A	A
Nitrous Oxide	X	1	A	A	A	A	A
Octyl Alcohol	2	2	A	A	A	A	A
Octyl Chloride	2	2	A	A	A	A	A
Peracetic Acid	1	2	C	A	A	A	A
Petroleum Oil, Crude	2	4	A	A	A	A	A
Phosphoric Acid	X	X	X	D	D	A	D
Plating Solutions Chrome	D	B	A	A	A	A	A
Plating Solutions Others	D	D	A	A	A	A	A
Polyethylene Glycol	B	X	C	A	A	A	A
Potassium Sulfate	A	A	A	A	A	A	A
Propane	B	D	A	X	X	A	X
Propyl Alcohol	A	A	A	A	A	A	A
Propyl Nitrate	D	D	D	A	A	A	A
Propylene	D	D	A	A	A	A	A
Selenic Acid	A	B	C	X	X	A	X
Silicon Fluoride	X	X	X	X	X	X	X
Silicon Tetrachloride	X	X	X	X	X	X	X
Silicon Tetrafluoride	X	X	X	X	X	X	X
Silicone Greases	A	C	A	A	A	A	A
Silicone Oils	A	C	A	A	A	A	A
Silver Bromide	A	B	C	A	A	A	A
Silver Chloride	A	B	C	A	A	A	A
Silver Nitrate	A	A	A	A	A	A	A
Silver Sulfate	A	B	C	A	A	A	A
Sodium Acetate	B	D	D	A	A	A	A
Sodium Aluminate	A	B	C	A	A	A	A
Sodium Chloride	A	A	A	A	A	A	A

Sodium Fluorosilicate	A	B	C	A	A	A	A
Sodium Hydrogen Sulfate	A	B	C	A	A	A	A
Sodium Iodide	A	B	C	A	A	A	A
Sodium Peroxide	B	D	A	A	A	A	A
Sodium Phosphate (Mono)	B	D	A	A	A	A	A
Sodium Silicate	A	X	A	A	A	A	A
Sodium Sulfide and Sulfite	A	A	A	A	A	A	A
Sulfur Dioxide, Wet	B	B	D	A	A	A	A
Sulfuric Acid, Concentrated	D	D	A	A	A	A	A
Titanium Sulfate	A	B	C	A	A	A	A
Titanium Tetrachloride	A	D	A	X	X	A	X
Toluene	A	D	A	A	A	A	A
Uric Acid	A	B	C	X	X	A	X
Vanadium Oxide	B	B	A	X	X	A	X
Vanadium Pentoxide	B	B	A	A	A	A	A
Vinegar	B	C	C	A	A	A	A
Zinc Chloride	A	X	A	A	A	A	A
Zinc Chromate	A	B	C	X	X	A	X
Zinc Hydrosulfite	A	B	C	A	A	A	A
Zinc Oxide	X	X	A	A	A	A	A
Zinc Phosphate	A	A	A	X	X	A	X
Zinc Sulfate	A	A	A	A	A	A	A