



GORE™ Sealant Technologies

This chemical compatibility guide was assembled from known compatibility data for PTFE materials and should be used only as a general guide for determining the suitability of GORE™ sealants for specific applications. An independent study of the compatibility with your specific fluids is advised for confirmation of chemical compatibility. When immersion tests are performed with GORE™ sealants, the test sample must first be precompressed at 17.2 MPa (2500 psi) minimum. Additionally, the adhesive and release paper should be removed from the immersion samples.

1 = Recommended (Little or No Effect)
- = Insufficient Data
N = Not Recommended

ABIETIC ACID	1	ANILINE, ANILINE OIL	1
ACETIC ACID, CRUDE	1	ANILINE DYES	1
PURE	1	AQUA REGIA	1
VAPORS	1	BARIUM CHLORIDE	1
ACETIC ANHYDRIDE	1	BARIUM HYDROXIDE	1
ACETONE	1	BARIUM SULFIDE	1
ACETOPHENONE	1	BENZALDEHYDE	1
ACETYLENE	1	BENZENE, BENZOL	1
ACRYLIC ANHYDRIDE	1	BENZONITRILE	1
ALLYL ACETATE	1	BENZOYL CHLORIDE	1
ALLYL METHACRYLATE	1	BENZYL ALCOHOL	1
ALUMINUM CHLORIDE	1	BLACK SULFATE LIQUOR	1
ALUMINUM FLOURIDE	1	BLEACH (SODIUM HYPOCHLORITE)	1
ALUMINUM HYDROXIDE (SOLID)	1	BORAX	1
ALUMINUM NITRATE	1	BORIC ACID	1
ALUMINUM SULFATE	1	BRINE	1
ALUMS	1	BROMINE	1
AMMONIA, LIQUID	1	BROMINE TRIFLUORIDE	N
AMMONIA, GAS, 65°C and below	1	BUTADIENE	1
above 65°C	1	BUTANE	1
AMMONIUM CHLORIDE	1	BUTYL ACETATE	1
AMMONIUM HYDROXIDE	1	BUTYL ALCOHOL, BUTANOL	1
AMMONIUM NITRATE	1	N-BUTYL AMINE	1
AMMONIUM PHOSPHATE, MONOBASIC	1	BUTYL METHACRYLATE	1
DIBASIC	1	CALCIUM BISULFITE	1
TRIBASIC	1	CALCIUM CHLORIDE	1
AMMONIUM SULFATE	1	CALCIUM HYDROXIDE	1
AMYL ACETATE	1	CALCIUM HYPOCHLORITE	1
AMYL ALCOHOL	1	CAPROLACTAM	1

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CARBOLIC ACID, PHENOL	1	ETHYLENE	1
CARBON DIOXIDE, dry	1	ETHYLENE BROMIDE	1
wet	1	ETHYLENE GLYCOL	1
CARBON DISULFIDE	1	ETHYLENE OXIDE	1
CARBON MONOXIDE	1	FERRIC CHLORIDE	1
CARBON TETRACHLORIDE	1	FERRIC PHOSPHATE	1
CARBONIC ACID	1	FERRIC SULFATE	1
CETANE (HEXADECANE)	1	FLUORINE, gas	N
CHLORINE, dry	1	liquid	N
wet	1	FLUORINE DIOXIDE	N
CHLORINE DIOXIDE	1	FORMALDEHYDE	1
CHLORINE TRIFLUORIDE	N	FORMIC ACID	1
CHLORAZOTIC ACID (AQUA REGIA)	1	FREON	1
CHLOROAZOTIC ACID (AQUA REGIA)	1	FURFURAL	1
CHLORONITROUS ACID (AQUA REGIA)	1	GLYCERINE, GLYCEROL	1
CHLORINATED SOLVENTS, dry	1	GLYCOL	1
wet	1	GRAIN ALCOHOL	1
CHLOROACETIC ACID	1	GREEN SULFATE LIQUOR	1
CHLOROETHYLENE	1	HEPTANE	1
CHLOROFORM	1	HEXACHLOROETHANE	1
CHLOROSULFONIC ACID	1	HEXANE	1
CHROMIC ACID	1	HYDRAZINE	1
CHROMIC ANHYDRIDE	1	HYDROBROMIC ACID	1
CHROMIUM TRIOXIDE	1	HYDROCHLORIC ACID	
CITRIC ACID	1	65°C and below	1
COPPER CHLORIDE	1	above 65°C	1
COPPER SULFATE	1	HYDROCYANIC ACID	1
CRESOLS, CRESYLIC ACID	1	HYDROFLUORIC ACID, less than 65%	1
CUMENE HYDROPEROXIDE	1	HYDROFLUORIC ACID, anhydrous	1
CYCLOHEXANE	1	HYDROFLUOROSILICIC ACID	1
CYCLOHEXANONE	1	HYDROFLUOSILICIC ACID	1
DIBUTYL PHTHALATE	1	HYDROGEN GAS, +65°C TO -175°C	1
DIBUTYL SEBACATE	1	above 65°C	1
DIETHYL CARBONATE	1	HYDROGEN FLUORIDE	1
DIMETHYL ETHER	1	HYDROGEN PEROXIDE 10-90%	1
DIMETHYL HYDRAZINE, UNSYMMETRICAL	1	HYDROGEN SULFIDE,	
DIMETHYL FORMAMIDE	1	dry, 65°C and below	1
DIOXANE	1	dry above 65°C	1
DOWTHERM A	1	wet 65°C and below	1
DOWTHERM E	1	wet above 65°C	1
ETHANE	1	IODINE PENTAFLUORIDE	1
ETHERS	1	LACTIC ACID, 65°C and below	1
ETHYL ACETATE	1	above 65°C	1
ETHYL ALCOHOL	1	LIME SALTPETER (CALCIUM NITRATES)	1
ETHYL CELLULOSE	1	LUBRICATING OILS, sour	1
ETHYL CHLORIDE	1	refined	1
ETHYL ETHER	1		
ETHYL HEXOATE	1		

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LYE	1	OLEUM	1
MAGNESIUM CHLORIDE	1	OXALIC ACID	1
MAGNESIUM HYDROXIDE	1	OXYGEN, gas, 60°C and below	1*)
MAGNESIUM SULFATE	1	Liquid	1*)
MERCURIC CHLORIDE	1	OZONE	1
MERCURY	1	PALMITIC ACID	1
METHANE	1	PENTACHLOROPHENOL	1
METHANOL, METHYL ALCOHOL	1	PERCHLORIC ACID	1
METHYLACRYLIC ACID	1	PERCHLOROETHYLENE	1
METHYL CHLORIDE	1	PETROLEUM OILS, crude	1
METHYL ETHYL KETONE	1	refined	1
METHYL METHACRYLATE	1	PHENOL	1
METHYL TERTIARY BUTYL ETHER	1	PHOSPHORIC ACID, any grade	1
MINERAL OILS	1	PHOSPHORUS PENTACHLORIDE	1
MOLTEN ALKALI METALS	N	PHTHALIC ACID	1
MURIATIC ACID	1	PICRIC ACID, MOLTEN	-
NAPHTHALENE	1	WATER SOLUTION	1
NAPHTHAS	1	PINENE	1
NAPHTHOLS	1	PIPERIDENE	1
NATURAL GAS	1	POLYACRYLONITRILE	1
NICKEL CHLORIDE	1	POTASH, POTASSIUM CARBONATE	1
NICKEL SULFATE	1	POTASSIUM ACETATE	1
NITRIC ACID, CRUDE	1	POTASSIUM BICHROMATE	1
less than 30%	1	POTASSIUM CHROMATE, RED	1
above 30%	1	POTASSIUM CYANIDE	1
red fuming	1	POTASSIUM DICHROMATE	1
NITROBENZENE	1	POTASSIUM HYDROXIDE	1
2-NITRO-BUTANOL	1	POTASSIUM PERMANGANATE	1
NITROCALCITE (CALCIUM NITRATE)	1	POTASSIUM SULFATE	1
NITROGEN TETROXIDE	1	PRODUCER GAS	1
NITROMETHANE	1	PROPANE	1
2-NITRO-2-METHYL PROPANOL	1	PROPYLENE	1
NITROMURIATIC ACID (AQUA REGIA)	1	PROPYL NITRATE	1
NITROHYDROCHLORIC ACID (AQUA REGIA)	1	PRUSSIC ACID, HYDROCYANIC ACID	1
NORGE NITRER (CALCIUM NITRATE)	1	PYRIDINE	1
NORWEGIAN SALTPETER (CALCIUM NITRATE)	1	SALTPETER, POTASSIUM NITRATE	1
N-OCTADECYL ALCOHOL	1	SILVER NITRATE	1
OLEIC ACID	1	SODA ASH, SODIUM CARBONATE	1
		SODIUM BICARBONATE, BAKING SODA	1

*) GORE™ sealants without adhesive are suitable for gaseous and liquid oxygen service. Insure that sealants are stored and handled in clean conditions. Consult BAM Oxygen Compatibility Test Report for further details about GORE™ Sealants in oxygen applications.

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SODIUM BISULPHATE	1	VARNISH	1
SODIUM CHLORATE	1	VINEGAR	1
SODIUM CHLORIDE	1	VINYL CHLORIDE	1
SODIUM CYANIDE	1	VINYL METHACRYLATE	1
SODIUM DIOXIDE	1	WATER, ACID MIND,	
SODIUM HYDROXIDE	1		
SODIUM HYPOCHLORITE	1	With oxidizing salts	1
SODIUM METAPHOSPHATE	1	No oxidizing salts	1
SODIUM METABORATE	1	WHISKEY AND WINES	1
PEROXYHYDRATE	1	WOOD ALCOHOL	1
SODIUM NITRATE	1	XYLENES	1
SODIUM PERBORATE	1	ZINC CHLORIDE	1
SODIUM PEROXIDE	1	ZINC SULFATE	1
SODIUM PHOSPHATE, MONOBASIC	1		
DIBASIC	1		
TRIBASIC	1		
SODIUM SILICATE	1		
SODIUM SULFATE	1		
SODIUM SULFIDE	1		
SODIUM THIOSULFATE, "HYPO"	1		
SODIUM SUPEROXIDE	1		
STANNIC CHLORIDE	1		
STEAM	1		
STEARIC ACID	1		
STYRENE	1		
SULFUR CHLORIDE	1		
SULFUR TRIOXIDE, dry	1		
SULFURIC ACID, any grade	1		
SULFUROUS ACID	1		
TANNIC ACID	1		
TARTARIC ACID	1		
TETRABROMOETHANE	1		
TETRACHLOROETHYLENE	1		
TOLUENE	1		
TRICHLOROACETIC ACID	1		
TRICHLOROETHYLENE	1		
TRICRESYL PHOSPHATE	1		
TRIETHANOLAMINE	1		
TURPENTINE	1		

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