

Chemical compatibility for LIQUIfit™ fittings



Very Acceptable		Acceptable		Slightly Unacceptable		Unacceptable	
●		○		△		×	
Acetic acid (10%, 68°F)	●	Beer	●	Cresol			
Acetic acid (100%, 68°F)	×	Benzene (benzol)	○	Detergents, alkaline			
Acetic acid (50%, 68°F)		Borax (sodium tetraborate)		Detergents, synthetic			
Acetic acid (50%, 158°F)	×	Boric acid	●	Dextrin (starch gum)			
Acetone	○	Brine		Dextrose (glucose, grape sugar)			
Acetone (73°F)	●	Bromine liquid		Dioxane	○		
Acetone (185°F)	△	Bunker oil		Ethyl acetate (73°F)	●		
Air	●	Butane	●	Ethyl acetate (185°F)	○		
Aliphatic alcohol	●	Butyl alcohol (butanol)		Ethyl alcohol (ethanol)	●		
Alum		Calcium chloride	●	Ethyl alcohol (ethanol) (73°F)	●		
Aluminium chloride		Calcium hydroxide	●	Ethyl alcohol (ethanol) (185°F)	△		
Aluminium sulfate	●	Calcium hypochloride		Ethylene glycol			
Ammonia	●	Carbon tetrachloride	△	Fatty amonium acetates	●		
Ammonium chloride	●	Carconate drinks (Coca Cola)		Fluorine			
Ammonium hydroxide		Castor oil		Formic acid (25%, 68°F)	○		
Ammonium nitric	●	Caustic soda (10%, 68°F)	●	Fruit juices			
Ammonium phosphate	●	Caustic soda (50%, 73°F)	●	Fuel oil			
Ammonium sulphate		Caustic soda (50%, 185°F)	△	Gasoline	●		
Animal oil (lard oil)	●	Benzalkonium chloride		Glucose	●		
Anionic surfactants		Chromic acid (10%, 158°F)	×	Glycerin	●		
Antifreeze (73°F)	●	Chromic acid (2%, 122°F)		Grease	●		
Antifreeze (185°F)		Chromic acid (2%, 158°F)		Hydrochloric acid (10%, 68°F)	●		
Automotive undercoat (73°F)		Chromic acid (25%, 158°F)	×	Hydrochloric acid (20%, 68°F)	○		
Automotive undercoat (122°F)		Citric acid		Hydrochloric acid (20%, 176°F)	×		
Barium chloride		CO ₂		Hydrochloric acid (38%, 68°F)	×		
Barium hydroxide		Cyanide		Hydrogen	●		

Very Acceptable



Acceptable

Slightly
Unacceptable

Unacceptable



Hydrogen peroxide		Naphtha	●	Silicone oil	●
Hydrogen sulfide	●	Natural gas	●	Soda ash (sodium carbonate)	○
Hydrogenated castor oil	●	Nickel salts		Sodium cyanide	
Inert gases	●	Nitrogen	●	Sodium hydroxide	●
Isopropyl alcohol (73°F)	●	Non ionic surfactants	●	Sodium phosphate	●
Isopropyl alcohol (185°F)		Oils essentials		Sodium silicate	●
Kerosene	●	Olive oil	●	Soybean oil	●
Ketones	●	Oxygen	●	Steam (302°F)	
Lactic acid		Ozone	○	Sulfur	○
Lauryl dimethylamine oxide		Peracetic acid		Sulfuric acid (10%, 68°F)	●
Liquefied petroleum gas (LPG)	●	Petroleum	●	Sulfuric acid (10%, 158°F)	×
Lye solution		Phosphates	●	Sulfuric acid (30%, 68°F)	○
Magnesium chloride		Phosphoric acid (60%, 73°F)	○	Sulfuric acid (30%, 158°F)	×
Magnesium hydroxide		Potassium hydroxide		Sulfuric acid (98%, 68°F)	×
Mercury	●	Potassium hydroxide (50%, 73°F)	●	Sulfurous acid gas	○
Methacrylate sealant (73°F)		Potassium hydroxide (50%, 185°F)	○	Toluene	○
Methane	●	Potassium sulfate	●	Transmission fluid (73°F)	
Methyl alcohol (73°F)	●	Propane	●	Transmission fluid (185°F)	
Methyl alcohol (185°F)	○	Propylene glycol	○	Vegetal oil	●
Methyl alcohol (methanol)	●	Sea water	●	Water (212°F)	○
Milk	●	Silicates	●	Water (75°F)	●
Mineral oil	●	Silicates potassium	●	Water demineralized	●
Motor oil (DW-40) (73°F)	●	Silicone greases	●	Water with chlorine (250 mg/l)	
N ₂	○			Water with chlorine (5 mg/l)	

