

Chemical Resistance Chart

	302 Stainless Steel	304 Stainless Steel	316 Stainless Steel	440 Stainless Steel	Aluminum	Titanium	Hastelloy C	Cast Bronze	Brass	Cast Iron	Carbon Steel	Kynar	PVC (Type 1)	Tygon (E-3606)	Teflon	Noryl	Polyacetal	Nylon	Cycloac (ABS)	Polyethylene	Polypropylene	Ryton	Carbon	Ceramic	Ceramagnet "A"	Viton	Buna N (Nitrile)	Silicon	Neoprene	Ethylene Propylene Rubber (Natural)	Epoxy	
Barium Carbonate	B	A	A	A	B	A	B	B	B	B	B	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A		
Barium Chloride	C	D	A	A	A	A	B	B	B	B	B	A	A	B	A	A	A	B	B	A	A	A	A	A	A	A	A	B	A	A		
Barium Cyanide	—	—	A	—	—	—	C	—	—	—	A	—	—	—	—	B	—	—	B	—	—	A	—	—	A	C	—	A	A			
Barium Hydroxide	B	C	A	A	D	B	B	B	C	C	C	A	A	A	A	D	A	A	B	A	A	A	A	A	A	A	A	C	A	A		
Barium Nitrate	—	A	A	—	—	A	—	D	—	A	A	—	B	—	—	A	A	—	—	—	—	A	A	A	A	A	A	—	A	B		
Barium Sulfate	B	A	A	A	D	A	A	C	—	C	C	A	A	—	A	A	A	A	—	B	A	A	A	B	—	A	A	D	A	A		
Barium Sulfide	B	A	A	—	D	B	—	C	—	C	C	A	A	—	A	A	A	A	—	B	A	—	A	A	—	A	A	C	A	A		
Beer ₂	A	A	A	—	A	A	A	A	B	D	D	A	A	—	A	A	B	D	B	B	D	—	A	A	—	A	D	C	A	A		
Beet Sugar Liquids	A	A	A	—	A	—	—	A	B	A	—	—	A	—	A	A	B	A	B	—	A	—	A	A	—	A	A	—	B	A		
Benzaldehyde ₃	A	A	A	—	B	A	A	A	—	B	A	C	D	D	C	D	A	D	C	D	D	D	A	A	—	D	D	B	D	D		
Benzene ₂	B	A	A	A	B	A	B	B	A	B	C	B	D	C	A	D	A	A	D	D	D	A	A	A	A	A	D	D	D	D		
Benzoic Acid ₂	B	A	A	A	B	A	A	B	—	D	—	A	A	B	A	A	B	D	—	B	D	—	A	B	—	A	D	—	D	D		
Benzol	—	A	A	—	B	A	A	B	A	—	—	D	—	A	D	A	A	—	—	A	—	A	A	A	A	D	D	—	D	—		
Borax (Sodium Borate)	—	A	A	A	C	B	A	A	B	A	C	A	A	A	A	A	A	—	B	A	A	A	A	A	A	A	B	C	A	A		
Boric Acid	B	A	A	A	B	A	A	B	C	D	—	A	A	B	A	A	A	A	—	B	A	—	A	A	A	A	A	—	A	A		
Brewery Slop	—	—	A	—	—	—	A	—	A	—	—	—	—	—	—	A	—	—	—	—	—	—	A	A	—	A	A	—	—	A		
Bromine (wet)	D	D	D	D	A	A	C	—	D	D	A	B	B	A	D	D	D	D	D	D	D	D	D	A	D	A	D	D	D	C		
Butadiene	A	A	A	—	A	—	—	C	A	C	C	A	A	—	A	—	A	A	—	—	—	B	A	A	—	A	A	—	B	A		
Butane _{2 1}	A	A	A	—	A	—	—	A	A	C	C	A	A	C	A	D	A	A	B	C	D	A	A	—	A	A	D	B	D	D		
Butanol	—	A	A	—	A	—	A	A	—	—	—	—	—	A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Butter	—	B	A	—	A	—	—	D	—	D	—	—	—	B	—	B	A	—	B	—	—	—	A	A	—	A	A	—	B	A		
Buttermilk	A	A	A	A	A	—	—	D	—	D	—	—	—	B	A	A	A	B	—	—	—	—	A	A	—	A	A	—	A	D		
Butylene	A	B	A	—	A	—	—	A	A	A	—	B	—	A	—	A	—	—	—	—	—	A	A	—	A	B	—	D	D			
Butyl Acetate ₁	—	—	C	—	A	—	A	A	—	A	C	D	D	A	D	A	—	—	C	D	A	A	A	—	D	B	D	D	B	D		
Butyric Acid ₁	B	B	A	A	B	A	A	C	—	D	—	A	B	—	A	A	C	D	D	—	A	—	A	D	—	D	D	—	D	B		
Calcium Bisulfate	C	D	A	—	D	—	D	D	—	—	—	A	A	A	—	A	—	—	—	—	—	—	—	—	A	A	C	C	—	A		
Calcium Bisulfide	—	—	B	—	C	A	A	C	—	—	—	—	A	—	A	A	D	A	—	B	A	—	A	A	—	A	A	—	A	D		
Calcium Bisulfite	—	B	A	—	C	A	A	C	—	—	—	A	A	—	A	A	—	A	—	A	—	—	A	—	A	A	—	A	—	—		
Calcium Carbonate	B	A	A	A	C	A	A	C	—	D	—	—	A	A	A	A	A	—	B	A	—	A	A	—	A	A	—	A	—	A		
Calcium Chlorate	—	B	A	—	—	B	B	C	—	—	—	—	A	A	A	—	A	—	A	—	A	—	—	A	—	A	—	—	A	A		
Calcium Chloride	C	A	D	C	C	A	A	B	—	C	—	A	A	A	A	D	A	B	B	A	A	A	A	B	A	A	B	D	A	A		
Calcium Hydroxide	B	A	A	—	C	A	A	B	—	—	—	—	A	A	A	A	B	A	—	B	A	—	A	A	A	A	C	A	A	A		
Calcium Hypochlorite	D	D	C	C	C	A	B	D	—	D	—	A	D	—	A	A	D	D	—	B	A	—	A	A	—	A	B	C	D	A		
Calcium Sulfate	B	A	A	A	B	A	B	B	—	—	—	A	A	A	A	A	A	C	B	A	A	A	A	—	A	A	—	D	—	C		
Calgon	—	A	A	—	—	—	C	—	D	—	—	—	—	—	A	B	—	—	—	A	—	—	A	A	—	A	A	—	—	A		
Cane Juice ₂	—	A	A	—	B	—	—	B	C	A	—	—	A	—	—	A	A	—	—	D	—	—	A	A	—	A	—	A	—	A		
Carbolic Acid (See Phenol)																																
Carbon Bisulfide ₂	B	A	A	A	A	—	—	C	—	B	—	—	D	D	—	A	A	—	—	D	—	A	A	A	A	D	—	D	D	D		
Carbon Dioxide (wet)	—	A	A	—	C	—	A	C	C	C	—	—	—	A	—	—	—	—	—	—	—	—	A	A	—	—	—	—	—	—		
Carbon Disulfide ₂	—	B	A	—	C	—	—	C	C	B	C	—	D	C	A	D	A	A	—	D	D	A	A	B	—	A	D	—	D	D		
Carbon Monoxide	—	A	A	—	A	—	—	—	—	—	—	—	A	—	—	B	A	A	—	B	A	—	A	A	—	A	A	B	A	C		
Carbon Tetrachloride _{2 1}	B	B	B	A	C	A	A	C	A	C	D	A	C	C	A	D	A	D	D	D	C	A	A	A	A	C	C	D	—	D	C	
Carbonated Water	B	A	A	A	A	—	—	B	—	D	—	—	A	—	—	A	A	A	—	A	—	—	A	A	—	A	A	—	A	—	A	
Carbonic Acid	B	A	B	A	A	—	A	B	—	D	—	A	A	—	A	A	A	—	B	A	—	A	A	—	A	A	B	A	A	A	A	
Catsup	—	A	A	A	D	—	—	C	—	D	—	—	A	—	—	A	B	A	B	—	A	—	A	A	—	A	A	—	C	—	A	
Chloroacetic Acid ₂	D	D	D	D	C	A	A	D	—	D	—	D	A	D	A	—	D	D	—	D	D	—	A	A	—	D	D	—	D	B	D	
Chloric Acid	—	D	D	—	—	—	—	—	—	—	—	—	D	—	A	—	—	—	—	—	—	—	—	—	—	D	—	D	—	D		
Chlorinated Glue	—	A	A	—	D	—	—	C	—	D	—	—	—	—	C	—	C	D	—	—	—	—	A	—	A	C	—	D	B	D		
Chlorine, Anhydrous Liquid	—	D	D	D	D	D	A	D	—	C	—	—	D	B	A	A	D	D	—	D	D	C	A	D	—	A	D	—	D	B	D	
Chlorine (dry)	B	A	A	—	D	A	A	B	A	D	—	—	—	A	—	—	—	—	—	—	—	C	A	A	—	D	—	D	—	D		
Chlorine Water	D	—	D	—	D	A	B	D	D	—	—	A	A	—	A	C	—	D	—	—	D	C	C	A	—	A	D	C	D	—	—	
Chlorobenzene (Mono)	A	A	A	—	B	—	A	B	—	B	C	A	D	D	A	D	A	A	D	D	D	A	A	A	—	A	D	—	D	D	D	
Chloroform	A	A	A	A	D	A	A	B	—	D	C	C	D	C	A	D	A	C	D	D	D	C	A	A	A	A	D	D	D	D	A	
Chlorosulfonic Acid ₁	D	D	—	D	D	A	B	D	—	—	D	D	C	C	A	D	D	D	—	D	D	D	—	C	—	D	D	D	D	D	C	
Chlorox (Bleach)	—	A	A	—	C	—	A	A	—	D	C	—	A	B	A	A	D	D	B	—	D	C	A	A	—	A	C	—	B	B	D	
Chocolate Syrup	—	A	A	—	A	—	—	—	D	—	—	—	—	A	A	—	A	—	—	A	—	—	A	—	A	—	A	—	D	A		
Chromic Acid 5%	—	A	A	B	C	A	A	D	D	—	—	A	B	—	C	D	D	B	B	A	A	D	C	—	A	D	C	D	A	B	B	
Chromic Acid 10%	—	B	—	—	A	A	—	D	—	—	—	A	A	—	A	A	—	D	—	—	A	—	—	A	—	A	D	—	D	—	C	
Chromic Acid 30%	—	B	—	—	A	A	—	D	—	—	—	B	A	—	A	D	—	D	—	—	A	—	—	A	—	A	D	—	D	—	D	
Chromic Acid 50%	C	B	B	—	C	A	A	D	D	—	—	C	B	B	A	D	D	D	C	C	B	B	D	A	—	A	D	—	D	A	D	C
Cider	—	A	A	A	B	—	—	A	—	D	—	—	A	—	—	A	B	—	—	B	—	—	A	A	—	A	A	—	A	—	A	
Citric Acid	—	A	A	A	C	A	A	D	C	D	—	A	A	—	A	A	B	C	C	B	B	—	A	A	B	A	D	C	A	A	A	
Citric Oils	—	A	A	—	C	—	—	B	—	—	—	—	—	—	—	A	B	—	—	—	—	—	A	A	—	A	A	C	D	—	A	
Coffee	A	A	A	A	A	—	—	B	—	C	—	—	—	—	A	A	A	A	—	A	—	—	A	A	—	A	A	—	A	A	A	
Copper Chloride	C	D	D	B	D	A	A	D	—	D	—	A	A	B	A	A	B	D	—	B	A	A	—	A	—	A	A	—	A	A	A	
Copper Cyanide	—	A	A	A	D	A	A	C	—	D	—	A	A	—	A	A	B	A	—	B	A	A	A	A	—	B	B	—	A	A	C	
Copper Fluoborate	—	D	D	—	D	—	B	D	—	D	—	—	A	—	A	—	B	—	—	A	—	—	A	—	—	A	B	—	A	A		
Copper Nitrate	B	A	A	B	D	A	A	D	—	—	—	A	A	—	A	A	B	D	—	B	A	—	A	A	—	A	A	—	A	—	A	
Copper Sulfate (5% Solution)	—	A	A	A																												