Chemical Resistance Chart

Reagent	Concentration	HDPE		PP		Polyester	PVC	316SS	Nylon 66	Acetal
		70°	140°	70°	140°					
Calcium Hydroxide	Concentrate	A	A	A	A	A	A	B	-	-
Calcium Hypochlorite	Bleach Solution	A	A	A	B	A	B	C	-	-
Calcium Nitrate	50%	A	A	A	A	-	A	A	-	-
Calcium Oxide	Saturated	A	A	-	-	-	A	A	-	-
Calcium Sulphate	-	A	A	A	A	A	A	B	-	-
Camphor Oil ★■	-	C	C	C	C	-	-	A	-	-
Carbon Dioxide	All	A	A	A	A	A	A	A	-	-
Carbon Disulphide	-	C	C	B	C	C	C	B	A	-
Carbon Monoxide	-	A	A	A	A	A	A	A	-	-
Carbon Tetrachloride ■	-	C	C	C	C	B	B	B	A	-
Carbonic Acid	-	A	A	A	A	-	A	A	-	-
Caster Oil ■	Concentrated	A	A	A	A	-	-	A	-	-
Chlorine •	100% dry gas	C	C	C	C	C	C	C	C	-
Chlorineliquid •	-	C	C	C	C	C	A	C	-	-
Chlorine Water •	2% Saturated Sol.	A	A	A	B	A	A	C	-	-
Chlorobenzene ★■	-	C	C	C	C	C	C	A	-	-
Chlorofoam ★■	-	B	C	C	C	C	C	A	B	-
Chlorosulphonic Acid	100%	C	C	C	C	-	C	B	-	-
Chrome Alum	Saturated	A	A	A	A	-	A	A	B	-
Chromic Acid	80%	-	-	A	-	C	C	B	-	-
Chromic Acid	50%	A	B	A	A	C	B	B	-	-
Chromic Acid	10%	A	A	A	A	C	A	B	-	-
Cider ★	-	A	A	A	A	-	-	A	-	-
Citric Acid ★	Saturated	A	A	A	A	A	-	A	-	-
Coconut Oil Alcohols ★	-	A	A	A	A	-	A	A	-	-
Coffee	-	A	A	A	A	-	A	A	-	-
Cola Concentrates ★	-	A	A	A	A	-	A	A	-	-
Copper Chloride	Saturated	A	A	A	A	A	A	C	-	-
Copper Cyanide	Saturated	A	A	A	A	B	A	B	-	-
Copper Fluoride	2%	A	A	A	A	-	A	A	-	-
Copper Nitrate	Saturated	A	A	A	A	-	A	B	-	-
Copper Sulphate	Saturated	A	A	A	A	A	A	B	B	-
Corn Oil ★	-	A	A	A	A	-	A	A	-	-
Cottonseed Oil ★	-	A	A	A	A	-	A	A	-	-
Cuprous Chloride	Saturated	A	A	A	A	-	A	C	-	-
Detergent, Synthetic ★	-	A	A	A	A	-	A	A	-	-
Developers, Photographic	-	A	A	A	A	-	A	A	-	-
Dextrin	Saturated	A	A	A	A	-	A	A	-	-
Dextrose	Saturated	A	A	A	A	-	A	A	-	-
Diazo Salts	-	A	A	A	A	-	A	-	-	-
Dibutylphthalate ★■	-	B	B	A	B	-	C	A	-	-
Dichlorobenzene ★■	-	C	C	-	-	C	-	-	-	-
Diethyl Ketone ★■	-	B	B	-	-	-	-	-	-	-
Diethylene Glycol ★■	-	A	A	A	A	-	C	A	-	-
Digycolic Acid ★	-	A	A	-	-	-	A	A	-	-
Dimethylamine	-	C	C	-	-	-	C	A	-	-
Disodium Phosphate	-	A	A	A	A	-	A	A	-	-
Emulsions, Photographic ★	-	A	A	A	A	-	A	A	-	-
Ethyl Acetate ★■	100%	B	C	B	B	-	C	A	A	-
Ethyl Alcohol ★	100%	A	A	A	A	C	A	A	B	-
Ethyl Alcohol ★	35%	A	A	A	A	B	A	A	B	-
Ethyl Benzene ★■	-	C	C	C	C	-	-	A	-	-
Ethyl Chloride ■	-	C	C	C	C	-	C	A	-	-
Ethyl Ether ■	-	C	C	B	C	C	C	A	-	-
Ethylene Chloride ★■	-	C	C	C	C	C	C	A	-	-
Ethylene Glycol ★	-	A	A	A	A	A	A	A	-	C

CODES: **HDPE** - High Density Polyethylene **PP -** Polypropylene **(-)** Information not yet available.
(A) Resistant, no indication that serviceability would be impaired. **(B)** Variable resistance, depending on conditions of use.
(C) Unresistant, not recommended for service applications under any conditions.
(★) - Stress-Crack Agent **(■)** - Plasticizer **(•)** - Oxidizer