Sethco CHEMICAL RESISTANCE GUIDE

The following is an engineering guide listing the corrosion resistance of various materials to the corrosive effects of chemicals. This chart will prove to be an excellent guide to help you select the right materials of construction for your Sethco pump or filtration system to accommodate your intended application. Of course, Sethco's knowledgeable sales application engineers are just a phone call away for any pumping or filtration questions.

PLATING SOLUTIONS

APPLICATION GUIDE

PLATING SOLUTION	TEMP.	CPVC	PVC	RYTON	POLYPRO	NORYL(PPO)	LUCITE	KYNAR	TEFLON	SS 316	CARP 20	HAST.C	TITANIUM	CERAMIC (SILICA FREE)	CERAMIC	NEOPRENE	BUNA N	HYPALON	VITON	COTTON	NYLON	CARBON
ANTIMONY	130°F	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	E	A
ARSENIC	110°F	A	A	A	A	A	A	A	A	A	A	A	A	A	B-D	A	A	A	A	E	A	A
BRASS																						
Regular Brass Bath	100°F	A	A	A	A	A	A	A	A	A	A	A	A	A	B-D	A	A	A	A	A	A	A
High speed Brass Bath	110°F	A	A	A	A	A	A	A	A	A	A	A	A	A	E	A	A	A	A	E	A	A
BRONZE																						
Copper-Cad. Bronze Bath	RT	A	A	A	A	A	A	A	A	A	A	A	A	A	B-D	A	A	A	A	B	A	A
Copper-Tin Bronze Bath	160°F	A	E	A	A	A	E	A	A	A	A	A	A	A	E	B	A	A	A	E	A	A
Copper-Zn. Bronze Bath	100°F	A	A	A	A	A	A	A	A	A	A	A	A	A	B-D	A	A	A	A	B	A	A
CADMIUM																						
Cyanide Bath	90°F	A	A	A	A	A	A	A	A	A	A	A	A	A	B-D	A	A	A	A	B	A	A
Fluoborate Bath	100°F	A	A	A	A	A	A	A	A	A	A	A	E	A	E	B-D	B	A	A	E	E	A
CHROMIUM																						
Chromic-Sulfuric Bath	130°F	A	A	A	D	E	A	A	A	D	B	A-B	A	A	A	E	E	A	D	E	E	E
Fluosilcate Bath	95°F	A	A	A	D	E	A	A	A	D	B	A-B	D	A	B	E	E	A	D	E	E	E
Fluoride Bath	130°F	A	A	A	D	E	A	A	A	E	B	A-B	D	A	B	E	E	A	D	E	E	E
Black Chrome Bath	115°F	A	A	A	D	E	A	A	A	D	B	A-B	A	A	A	E	E	A	D	E	E	E
Barrel Chrome Bath	95°F	A	A	A	D	E	A	A	A	E	B	A-B	B-D	A	A	E	E	A	D	E	E	E
COPPER (ACID)																						
Copper Sulfate Bath	RT	A	A	A	A	A	A	A	A	D	B	A	A	A	A	A	A	A	A	D	E	A
Copper Fluoborate Bath	120°F	A	A	A	A	A	A	A	A	D	B	A	E	A	E	B-D	B	A	A	E	E	A
COPPER (CYANIDE)																						
Copper Strike Bath	120°F	A	A	A	A	A	A	A	A	A	A	A	A	A	B-D	A	A	A	A	B	A	A
Rochelle Salt Bath	150°F	A	E	A	A	A	E	A	A	A	A	A	A	A	E	B	A	A	A	B	A	A
High Speed Bath	180°F	A	E	A	A	A	E	A	A	A	A	A	A	A	E	B	A	A	A	E	A	A
COPPER (MISC.)																						
Copper Pyrophosphate	140°F	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	B	A	A
Copper (Electroless)	140°F	A	A	E	A	A	A	A	A	F	F	F	F	A	A	E	E	A	A	A	A	E
GOLD																						
Cyanide	150°F	A	E	A	A	A	E	A	A	A	A	A	A	A	D	A	A	A	A	B	A	A
Neutral	75°F	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	B	A	A
Acid	75°F	A	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	A
INDIUM SULFAMATE	RT	A	A	A	A	A	A	A	A	D	B	A	A	A	A	A	A	A	A	A	E	A
IRON																						
Ferrous Chloride Bath	190°F	A	E	A	D	A	E	A	A	E	E	E	A	A	A	E	B	A	A	E	E	A
Ferrous Sulfate Bath	150°F	A	E	A	A	A	E	A	A	D	B	A	A	A	A	B	A	A	A	E	E	A
Ferrous Am. Sulfate Bath	150°F	A	E	A	A	A	E	A	A	D	B	A	A	A	A	B	A	A	A	E	E	A
Sulfate-Chloride Bath	160°F	A	E	A	A	A	E	A	A	E	E	E	A	A	A	D	B	A	A	E	E	A
Fluoborate Bath	145°F	A	E	A	A	A	E	A	A	E	B	B	E	A	E	B-D	B	A	A	E	E	A
Sulfamate	140°F	A	A	A	A	A	A	A	A	E	B	B	A	A	A	A	A	A	A	E	E	A
LEAD FLUOBORATE		A	A	A	A	A	A	A	A	D	B	A	E	A	E	B-D	B	A	A	E	E	A
NICKEL																						
Watts Type	115-160°F	A	E	A	A	A	A-E	A	A	D	D	A	A	A	A	A	A	A	A	A	A	A
High Chloride	130-160°F	A	E	A	A	A	A-E	A	A	D	D	A	A	A	A	B	A	A	A	D	E	A
Fluoborate	100-170°F	A	E	A	A	A	A-E	A	A	D	B	A	E	A	E	B-D	B	A	A	D	E	A
Sulfamate	100-140°F	A	A	A	A	A	A	A	A	D	B	A	A	A	A	A	A	A	A	A	A	A
Electroless	200°F	A	E	E	E	E	E	A	A	F	F	F	F	A	A	E	E	B	A	A	E	E
RHODIUM	120°F	A	A	A	A	A	A	A	A	E	E	E	E	A	A	B	A	A	A	E	E	A
SILVER	80-120°F	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A
TIN-FLUOBORATE	100°F	A	A	A	A	A	A	A	A	D	D	A	E	A	E	B-D	B	A	A	E	E	A
TIN-LEAD	100°F	A	A	A	A	A	A	A	A	D	D	A	E	A	E	B-D	B	A	A	E	E	A
ZINC																						
Acid Chloride	140°F	A	A	A	A	A	A	A	A	E	E	E	A	A	A	A	A	A	A	E	E	A
Acid Sulfate Bath	150°F	A	E	A	A	A	A	A	A	D	B	A	A	A	A	B	A	A	A	D	E	A
Acid Fluoborate Bath	RT	A	A	A	A	A	A	A	A	D	B	A	E	A	E	B-D	B	A	A	E	E	?
Alkaline Cyanide Bath	RT	A	A	A	A	A	A	A	A	A	A	A	A	A	E	A	A	A	A	E	A	A

SYMBOL IDENTIFICATION

A - Excellent
B - Good
C - Good to 80° F
D - Moderate effect (use under limited conditions)
E - Not recommended
F - Autocatalytic
X - Unknown

INDUSTRIAL CHEMICALS

APPLICATION GUIDE

CHEMICAL	CPVC	PVC	RYTON	POLYPRO	NORYL(PPO)	LUCITE	KYNAR	TEFLON	SS 316	CARP 20	HAST.C	TITANIUM	CERAMIC (SILICA FREE)	CERAMIC	NEOPRENE	BUNA N	HYPALON	VITON	COTTON	NYLON	CARBON
ACETALDEHYDE	E	E	A	C	X	E	X	A	A	A	A	A	A	A	E	B	E	A	A	X	A
ACETIC ACID, 20%	B	B	A	A	A	A	A	A	A	A	A	A	A	A	D	D	A	E	E	E	A
ACETIC ACID, 80%	D	D	A	B	B	D	A	A	A	A	A	A	A	A	B	D	A	E	E	E	A
ACETIC ACID, GLACIAL	E	D	A	C	D	E	A	A	A	A	A	A	A	A	D	E	E	E	E	E	A
ACETIC ANHYDRIDE	E	E	A	A	E	E	D	A	D	C	A	A	A	A	A	D	A	E	E	E	A
ACETONE	E	E	A	B	X	E	D	A	A	A	A	A-D	A	A	D	E	D	E	A	A	A
ALUMINUM CHLORIDE	A	A	A	A	A	A	A	A	D	D	A	D	A	A	A	A	D	A	E	E	A
ALUMINUM FLUORIDE	A	A	A	A	A	A	A	A	C	D	B	D	A	X	A	A	A	A	E	E	A
ALUMNIUM SULFATE	A	A	A	A	A	A	A	A	D	B	A	A	A	A	A	A	A	A	D	D	A
AMMONIA, 10%	A	A	C	A	A	E	A	A	A	A	A	A	A	A	A	E	A	A	E	A	A
AMMONIUM CHLORIDE	A	A	A	A	A	A	A	A	D	C	A	A	A	A	A	A	A	A	E	E	A
AMMONIUM NITRATE	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	D	E	A
AMMONIUM PERSULFATE	A	A	X	A	A	A	A	A	C	B	B	X	A	A	A	A	A	A	D	E	A
AMMONIUM PHOSPHATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	D	A
AMMONIUM SULFATE	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	B	B	D	E	A
AMYL ACETATE	E	E	A	E	E	E	A	A	A	A	A	A	A	A	E	E	E	E	X	D	A
AMYL ALCOHOL	B	B	A	X	D	E	A	A	A	A	A	A	A	A	A	B	B	B	B	A	A
AMYL CHLORIDE	E	E	X	X	E	E	A	A	C	A	A	X	A	A	X	X	E	A	X	D	A
ANILINE	E	E	A	C	E	E	A	A	A	A	A	A	A	A	E	E	B	A	X	D	A
AQUA REGIA	E	E	E	X	E	E	C	A	E	E	D-E	A	A	A	E	E	B	A	E	E	E
ARSENIC ACID	A	A	A	A	A	A	A	A	X	B	X	X	A	A	A	X	X	A	E	E	A
BARIUM CHLORIDE	A	A	A	A	A	A	A	A	C	B	A	X	A	A	A	B	B	B	D	A	A
BARIUM SULFATE	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	A	A	A	D	A	A
BEER	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	E	A	A	A	E	A
BENZALDEHYDE	E	E	A	C	E	E	C	A	A	A	A	A	A	A	E	E	E	E	A	A	A
BENZENE (BENZOL)	E	E	A	C	E	E	C	A	A	A	A	A	A	A	E	E	E	D	A	A	A
BENZOIC ACID	A	A	A	A	A	C	A	A	B	B	A	C	A	A	E	E	E	A	X	D	A
BORAX (SODIUM BORATE)	A	A	A	A	A	X	A	A	A	A	A	X	A	A	A	B	B	B	A	A	A
BORIC ACID	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	A	B	A
BROMINE WATER	C	C	E	E	A	X	A	A	E	E	A	A	A	A	E	E	E	A	E	A	E
BUTYL ACETATE	E	E	A	E	E	X	C	A	B	B	A	X	A	A	X	B	E	E	A	A	A
BUTYRIC ACID	D	D	A	A	A	D	C	A	B	A	A	C	A	A	E	X	E	D	X	E	A
CACIUM BISULFITE	A	A	X	A	A	X	A	A	B	B	A	C	A	A	A	A	A	A	B	X	A
CALCIUM CHLORIDE	A	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	D	E	A
CALCIUM HYPOCHLORITE	A	A	A	A	A	A	A	A	D	D	B	A	A	A	E	B	A	D	E	E	E
CALCIUM SULFATE	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	A	A	A	D	E	A
CARBON TETRACHLORIDE	C	C	A	C	E	X	A	A	B	B	A	A	A	A	E	E	E	A	A	A	A
CARBONIC ACID	A	A	A	A	A	A	A	A	B	A	A	X	A	A	A	B	B	B	A	A	A
CHLORACETIC ACID	A	A	A	D	X	E	A	A	E	X	A	A	A	A	E	E	A	A	X	E	A
CHLORINE WATER	A	A	E	E	D	X	A	A	E	B	B	A	A	A	E	E	B	A	E	E	A
CHLOROBENZENE	E	E	A	C	E	E	A	A	A	A	A	X	A	A	E	E	E	A	A	A	A
CHLOROFORM	E	E	A	E	E	E	A	A	A	A	A	A	A	A	E	E	E	D	A	E	A
CHLOROSULFONIC ACID	C	C	E	E	X	E	E	A	D	D	A	A	A	A	E	E	X	E	E	E	E
CHROMIC ACID, 10%	A	A	A	A-D	A	A	A	A	B	A	A	A	A	A	E	E	A	A	E	E	E
CHROMIC ACID, 30%	A	A	A	A-D	E	A	A	A	B	A	A	A	A	A	E	E	A	A	E	E	E
CHROMIC ACID, 50%	E	E	B	A-D	E	D	A	A	C	B	A	A	A	A	E	E	A	A	E	E	E
CITRIC ACID	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	E	A	A	A	D	A
COPPER CHLORIDE	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	B	D	E	A
COPPER CYANIDE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	X	B	A	A	A
COPPER NITRATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	D	E	A
COPPER SULFATE	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	B	B	B	D	D	A
CRESYLIC ACID	B	B	X	X	X	X	A	A	A	A	A	A	A	A	X	X	X	A	A	E	A
ETHYL ACETATE	E	E	A	C	E	E	E	A	B	D	B	X	A	A	E	X	E	E	A	A	A
ETHYL CHLORIDE	E	E	A	E	E	E	A	A	A	A	B	A	A	A	D	E	D	A	X	A	A
ETHYLENE GLYCOL	A	A	A	A	A	A	A	A	B	A	A	X	A	A	A	B	B	B	A	X	A
FATTY ACIDS	A	A	X	A	A	D	A	A	A	A	A	A	A	A	B	A	X	B	A	E	A
FERRIC CHLORIDE	A	A	A	A	A	A	A	A	E	E	B-C	A	A	A	A	E	B	B	E	E	E

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APPLICATION GUIDE

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FERRIC NITRATE	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	B	B	B	D	E	A
FERRIC SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	D	E	A
FERROUS CHLORIDE	A	A	A	A	A	A	A	A	E	E	B	A	A	A	A	X	B	B	E	E	A
FERROUS SULFATE	A	A	A	A	A	A	A	A	D	B	A	A	A	A	A	X	B	B	E	E	A
FLUOBORIC ACID	A	A	A	A	B	B	A	A	B	A	A	E	A	E	A	X	B	X	E	E	A
FLUOSILICIC ACID	A	A	A	A	B	B	A	A	B	B	B	E	A	E	B	A	X	B	E	E	E
FORMALDEHYDE, 40%	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	E	A	E	A
FORMIC ACID	C	C	A	A	A	E	A	A	B	A	A	A	A	A	E	B	B	E	D	A	A
FREON 12 (WET)	C	C	A	A	A	X	X	A	E	X	X	X	A	A	D	B	E	A	A	A	A
FUEL OILS	A	A	A	C	A	X	D	A	A	A	A	A	A	A	A	B	B	B	B	X	A
FURFURAL	E	E	A	E	E	X	A	A	B	A	A	X	A	A	E	E	X	E	X	A	A
GASOLINE	C	C	A	E	E	E	A	A	A	A	A	E	A	A	E	B	E	A	A	A	A
GLYERINE (GYCEROL)	A	A	A	A	X	A	A	A	A	A	A	A	A	A	A	B	B	B	A	A	A
HEPTANE	A	A	A	C	E	X	A	A	A	A	A	X	A	A	D	A	B	B	A	X	A
HEXANE	C	C	A	C	X	X	A	A	A	A	A	X	A	A	A	X	B	B	A	A	A
HYDROBROMIC ACID, 20%	A	A	X	A	A	X	A	A	E	E	A	A	A	C	D	E	A	A	E	E	A
HYDROCHLORIC ACID, 0-25%	A	A	A	A	A	A	A	A	E	E	B-C	D	A	C	A	X	A	B	E	E	A
HYDROCHLORIC ACID, 25-37%	A	A	A	A	A	A	A	A	E	E	B-C	D	A	C	A	X	A	A	E	E	A
HYDROCYANIC ACID	A	A	B	A	A	A	A	A	A	A	A	X	A	C	X	B	X	A	E	X	E
HYDROFLUORIC ACID, 10%	C	C	A	A	A	A	A	A	C	C	B	E	A	E	A	X	A	A	E	E	E
HYDROFLUORIC ACID, 30%	C	C	A	B	D	D	A	A	C	C	B	E	A	E	A	X	A	A	E	E	E
HYDROFLUORIC ACID, 60%	D	D	B	B	E	D	A	A	C	C	B	E	A	E	E	X	D	A	E	E	E
HYDROFLUOSILICIC ACID, 20%	A	A	A	B	B	A	A	A	B	B	B	E	A	E	A	A	X	B	E	E	E
HYDROGEN PEROXIDE, 30%	A	A	C	A	X	A	A	A	B	A	A	B	A	X	D	E	A	A	E	E	E
HYDROGEN PEROXIDE, 50%	C	C	X	X	X	X	A	A	B	A	A	X	A	X	D	E	A	A	E	E	E
HYDROGEN PEROXIDE, 90%	E	E	D	X	X	X	C	A	B	A	A	X	A	X	E	E	D	A	E	E	A
HYDROGEN SULFIDE, AQ. SOL.	C	C	A	A	A	A	A	A	B	A	A	A	A	X	A	E	B	B	C	X	E
IODINE (IN ALCOHOL)	E	E	E	C	D	X	A	A	B	B	A	E	A	A	E	E	E	A	X	X	A
KEROSENE	D	D	A	C	X	A	A	A	A	A	A	A	A	A	E	B	E	A	A	X	A
KETONES	E	E	A	E	E	E	C	A	A	A	A	A	A	A	E	E	E	E	A	X	A
LAQUER THINNERS	D	D	X	C	E	E	X	A	A	A	A	A	A	A	E	E	X	X	A	A	A
LACTIC ACID	B	B	A	A	A	D	B	A	B	A	B	A	A	A	A	X	B	B	D	D	A
LEAD ACETATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	E	X	E	A	A	A	A
LUBRICATING OIL	C	C	A	C	X	A	A	A	A	A	A	A	A	A	E	A	D	A	A	X	A
MAGNESIUM CHLORIDE	A	A	C	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	D	A	A
MAGNESIUM NITRATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A
MAGNESIUM SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A
MALEIC ACID	A	A	X	A	A	X	A	A	B	A	A	A	A	A	X	X	A	A	D	X	A
METHYL ALCOHOL	C	C	A	A	A	X	A	A	A	A	A	A	A	A	A	B	B	D	A	A	A
METHYL CHLORIDE	E	E	C	E	E	E	A	A	A	A	A	A	A	A	E	E	E	A	A	X	A
METHYL ETHYL KETONE	E	E	A	C	E	E	E	A	A	A	A	A	A	A	E	E	E	E	A	A	A
METHYL ISOBUTYL KETONE	E	E	A	C	E	E	E	A	A	A	A	A	A	A	E	E	E	E	A	X	A
METHYLENE CHLORIDE	E	E	A	E	E	E	D	A	A	A	A	A	A	A	E	E	E	D	A	E	A
NAPTHA	B	B	A	C	X	E	A	A	A	A	A	A	A	A	E	D	E	A	A	X	A
NAPTHALENE	E	E	A	C	X	X	A	A	A	A	A	A	A	A	E	E	E	D	A	X	A
NICKEL CHLORIDE	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	B	D	A	A
NICKEL SULFATE	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	B	B	B	D	A	A
NITRIC ACID, 10%	A	A	C	A	A	D	A	A	B	A	A	A	A	A	E	E	A	A	E	E	E
NITRIC ACID, 20%	A	A	C	A	B	E	A	A	B	A	A	A	A	A	E	E	A	A	E	E	E
NITRIC ACID, 50%	A	A	C	C	E	E	A	A	B	A	A	A	A	A	E	E	E	A	E	E	E
NITRIC ACID, ANHYDROUS	E	E	C	E	E	E	D	A	B	A	B	A	A	A	E	E	E	B	E	E	E
NITRO BENZENE	E	E	B	C	E	E	B	A	B	A	B	A	A	A	E	E	E	E	E	A	A
OILS AND FATS	D	D	A	A	X	X	A	A	A	A	A	A	A	A	A	A	X	A	A	X	A
OLEIX ACID	A	A	A	C	A	X	A	A	B	B	B	X	A	A	D	A	D	D	A	E	A
OLEUM, 25%	E	E	C	X	E	E	E	A	X	X	A	X	A	A	E	E	E	A	E	X	E
OXALIC ACID	A	A	A	A	A	D	A	A	C	B	B	C	A	A	X	X	A	A	D	E	A
PHENOL	C	C	A	B	E	A	A	A	B	B	A	A	A	A	E	E	E	A	A	A	A

SYMBOL IDENTIFICATION

A - Excellent
B - Good
C - Good to 80° F
D - Moderate effect (use under limited conditions)
E - Not recommended
F - Autocatalytic
X - Unknown

APPLICATION GUIDE

CHEMICAL	CPVC	PVC	RYTON	POLYPRO	NORYL(PPO)	LUCITE	KYNAR	TEFLON	SS 316	CARP 20	HAST.C	TITANIUM	CERAMIC (SILICA FREE)	CERAMIC	NEOPRENE	BUNA N	HYPALON	VITON	COTTON	NYLON	CARBON
PHOSPHORIC ACID, 0-50%	A	A	A	A	A	A	A	A	B	B	A	C	A	A	B	X	A	B	E	E	A
PHOSPHORIC ACID, 50-100%	B	B	A	B	A	A	A	A	B	B	A-B	C	A	A	B	X	A	B	E	E	A
POTASSIUM BICARBONATE	A	A	A	A	A	A	A	A	B	B	B	A	A	A	A	B	B	B	A	A	A
POTASSIUM BROMIDE	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	B	D	D	A
POTASSIUM CARBONATE	A	A	X	A	A	A	A	A	B	B	B	A	A	A	A	B	B	B	A	A	A
POTASSIUM CHLORATE	A	A	A	A	A	A	A	A	A	A	X	A	A	A	A	B	B	B	E	D	A
POTASSIUM CHLORIDE	A	A	A	A	A	A	A	A	D	C	A-B	A	A	A	A	B	B	B	D	D	A
POTASSIUM CYANIDE	A	A	A	A	A	A	A	A	A	B	B	A	A	A	A	B	B	B	A	A	A
POTASSIUM DICHROMATE	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	B	B	B	E	E	A
POTASSIUM HYDROXIDE	A	A	A	A	A	D	E	A	B	B	B	A-C	A	E	A	D	B	B	D	A	E
POTASSIUM NITRATE	A	A	A	A	A	A	A	A	B	B	B	A	A	A	A	B	B	B	E	D	A
POTASSIUM PERMANGANATE	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	B	B	B	D	E	A
POTASSIUM SULFATE	A	A	A	A	A	A	A	A	B	B	B	A	A	A	A	B	B	B	D	D	A
PROPYL ALCOHOL	C	C	X	X	X	X	A	A	A	A	A	A	A	A	A	B	B	B	A	X	A
SOAPS	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	A	X	A
SODIUM ACETATE	A	A	A	A	A	A	A	A	B	B	B	A	A	A	D	E	A	E	A	A	A
SODIUM BICARBONATE	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	B	B	B	A	A	A
SODIUM BISULFATE	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	B	B	B	D	D	A
SODIUM BISULFITE	A	A	A	A	A	A	A	A	B	B	B	A	A	A	A	B	B	B	D	D	A
SODIUM CARBONATE	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	B	B	B	A	A	A
SODIUM CHLORATE	A	A	A	A	A	A	A	A	B	B	B	A	A	A	A	E	B	B	E	D	A
SODIUM CHLORIDE	A	A	A	A	A	A	A	A	B	B	B	A	A	A	A	B	B	B	A	A	A
SODIUM CYANIDE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	B	A	A	A
SODIUM HYDROXIDE, 20%	A	A	A	A	A	D	A	A	A	A	A	A	A	E	A	B	B	E	E	A	A
SODIUM HYDROXIDE, 50%	A	A	A	A	A	D	E	A	A	A	A	A	A	E	A	B	B	E	E	A	E
SODIUM HYPOCHLORITE	A	A	A	A	A	A	A	A	D	X	A-B	A	A	A	D	E	A	D	E	E	A
SODIUM NITRATE	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	B	B	B	D	A	A
SODIUM SILICATE	A	A	A	A	A	A	A	A	B	B	B	X	A	A	A	A	A	A	A	A	A
SODIUM SULFATE	A	A	A	A	A	A	A	A	B	A	A	X	A	A	A	B	B	B	D	A	A
SODIUM SULFIDE	A	A	A	A	A	A	A	A	B	B	B	A	A	A	A	E	B	B	D	A	A
STANNIC CHLORIDE	A	A	A	A	A	A	A	A	E	C	B	A	A	A	A	B	D	B	B	X	A
STEARIC ACID	A	A	X	C	X	X	A	A	A	A	A	A	A	A	D	E	D	A	A	X	A
STODDARDS SOLVENT	E	E	A	X	E	X	A	A	A	A	A	A	A	X	E	X	X	A	A	X	E
SULFURIC ACID, 0-10%	A	A	A	A	A	A	A	A	E	A	B	C	A	A	A	D	A	A	D	E	E
SULFURIC ACID, 10-75%	A	A	A	A	A	D	A	A	E	A	B	D	A	A	A	E	A	A	E	E	E
SULFURIC ACID, 75-100%	C	C	B	C	A	E	A	A	E	A	B	E	A	A	E	E	D	A	E	E	A
TANNIC ACID	A	A	A	A	X	X	A	A	B	B	B	A	A	A	A	E	B	B	A	E	A
TANNING LIQUORS	A	A	X	A	X	X	X	A	A	A	A	A	A	A	X	A	X	A	D	X	A
TARTARIC ACID	A	A	A	A	A	X	A	A	B	B	B	A	A	A	A	E	B	B	A	X	A
TETRAHYDROFURANE	E	E	A	C	E	X	D	A	A	A	A	X	A	A	X	E	X	X	A	A	A
TOLUENE (TOLUOL)	E	E	A	C	E	E	A	A	A	A	A	A	A	A	E	E	E	E	A	A	A
TRICHLOROETHYLENE	E	E	B	C	E	X	A	A	B	B	A	A	A	A	E	E	E	A	A	E	A
TRICRESYLPHOSPHATE	E	E	X	X	X	X	X	A	A	A	A	B	A	A	E	E	E	A	X	X	A
TURPENTINE	B	B	A	C	X	X	A	A	A	A	A	X	A	A	E	E	E	A	A	A	A
UREA	A	A	A	A	X	X	A	A	B	B	B	A	A	A	A	E	A	E	A	X	A
VINEGAR	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	E	B	B	A	A	A
WHITE LIQUOR (ACID)	A	A	X	X	A	X	A	A	A	A	A	X	A	A	X	A	X	A	D	X	A
XYLENE (XYLOL)	E	E	A	E	E	E	A	A	A	A	A	X	A	A	E	E	E	A	A	A	A
ZINC CHLORIDE	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	B	B	B	D	E	A
ZINC SULFATE	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	D	D	A

NOTE: The data furnished herein is based on information furnished by manufacturers of the raw material. This information may be considered as a basic for recommendation, but not as a guarantee. Materials should be tested under actual service to determine suitability for a particular purpose.

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