



CHEMICAL CHARTS REVISION 52611

ACE SANITARY Hose Products Chemical Resistance Chart Is To Be Used As a Guide Only


- A** The chemical is expected to have minor or no effect on the product. Product may be used for continuous service. Changes in working conditions, such as concentration of the chemical or temperature may affect product performance and cause degradation of the product.
- B** The product may be used for continuous or intermittent service, however the product properties will be affected by the exposure to the chemical. Changes in working conditions such as concentration of the chemical or temperature may affect product performance and cause degradation of the product.
- X** The Product should not be used with this chemical.
- Insufficient or no data available for this chemical. Further testing is recommended to determine compatibility of the chemical with the product.

Caution: Unless otherwise specified, the ratings applied to tube stocks are based on fully concentrated or saturated solutions at 100deg F under normal service conditions.

Note: Hose ratings are for the effect on the polymer only. The degree of resistance of a rubber compound to a specific chemical depends on many variables such as temperature, concentration, length of exposure, stability of chemical, etc. For a specific compound, many grades of polymers are available which can alter the compound's chemical resistance.

WHEN IN DOUBT, before using a specific product, contact ACE SANITARY Customer Service for assistance if unusual service conditions or high temperatures are present in the product application.

**THIS CHEMICAL RESISTANCE CHART SUPERSEDES ALL PREVIOUSLY
PUBLISHED INFORMATION REGARDING ACE SANITARY
HOSE PRODUCTS CHEMICAL HOSE RESISTANCE RATINGS.**

	“R”	“R”	“R”	“S”	“T”	“P”
	SERIES	SERIES	SERIES	SERIES	SERIES	SERIES
	RSD, RCR, RDC RBT	RCT	RES	SMW, SMD SSD	TRC, TSB, TCB TCP	PCT, PBT, PWT PHH, PHC
CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
ACETALDEHYDE	A	X	A	A	A	X
ACETAMIDE	B	-	-	B	A	-
ACETATE SOLVENT	-	-	-	X	A	X
ACETIC ACID, GLACIAL	-	X	A	B	A	X
ACETIC ACID 20%	B	X	A	B	A	B
ACETIC ACID 50%	B	X	A	B	A	X
ACETIC ACID	-	-	A	X	A	-
ACETIC ANHYDRIDE	B	X	B	X	A	X
ACETONE	A	X	A	B	A	X
ACETYL CHLORIDE (DRY)	X	X	X	X	A	-
ACETYLENE	A	A	A	B	A	A
ACRYLONITRILE	X	-	X	X	A	A
ALCOHOLS: AMYL	A	-	A	X	A	X
BENZYL	B	-	X	-	A	-
BUTYL	B	-	A	B	A	X
DIACETONE	A	-	X	X	A	-
ETHYL	A	A	A	B	A	B
HEXYL	X	-	X	B	A	-
ISOBUTYL	A	X	A	A	A	-
ISOPROPYL	A	-	A	A	A	A
METHYL	A	-	A	A	A	X
OCTYL	B	-	X	B	-	-
PROPYL	A	-	A	A	A	A
ALUMINUM CHLORIDE 20%	-	-	-	B	A	-
ALUMINUM CHLORIDE	A	A	A	B	A	A
ALUMINUM FLOURIDE	A	-	A	B	A	A
ALUMINUM HYDROXIDE	-	B	A	-	A	A
ALUMINUM POTASSIUM SULFATE 100%	-	-	-	A	A	-
ALUMINUM SULFATE	A	A	A	A	A	A
AMINES	B	-	B	B	A	-
AMMONIA 10%	-	-	-	-	A	-
AMMONIA, ANHYDROUS	A	-	-	X	A	-
AMMONIA, LIQUID	A	-	-	-	A	X
AMMONIA NITRATE	-	-	-	-	A	-
AMMONIUM BIFLOURIDE	-	-	-	-	A	-
AMMONIUM CARBONATE	A	-	A	-	A	A
AMMONIUM CASENITE	-	-	-	-	-	-
AMMONIUM CHLORIDE	A	-	A	A	A	A
AMMONIUM HYDROXIDE	A	X	A	-	A	X
AMMONIUM NITRATE	A	-	A	-	A	A

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
AMMONIUM OXALATE	-	-	-	-	-	-
AMMONIUM PERSULFATE SOLUTION	A	-	-	A	A	A
AMMONIUM PHOSPHATE, DIBASIC	A	-	A	A	A	-
AMMONIUM PHOSPHATE, MONOBASIC	-	-	-	A	A	-
AMMONIUM PHOSPHATE, TRIBASIC	-	-	-	A	A	-
AMMONIUM SULFATE	A	X	A	-	A	A
AMMONIUM THIOSULFATE	A	A	A	X	-	-
AMYL ACETATE	A	X	B	X	A	X
AMYL ALCOHOL	A	A	A	X	A	X
AMYL CHLORIDE	X	X	X	X	A	X
ANILINE	B	X	A	X	A	X
ANTI-FREEZE	-	-	-	-	-	-
ANTIMONY TRICHLORIDE	-	X	-	-	A	A
AQUA REGIA (80% HCl 20% HNO3)	X	-	B	X	A	X
AROCHLOR 1248	B	-	-	B	A	-
AROMATIC HYDROCARBONS	-	-	X	X	-	X
ARSENIC ACID	A	X	A	A	A	A
ASPHALT	X	-	-	X	A	X
BARIUM CARBONATE	-	A	A	-	A	A
BARIUM CHLORIDE	A	A	A	A	A	A
BARIUM CYANIDE	-	-	-	-	A	-
BARIUM HYDROXIDE	A	A	A	A	A	A
BARIUM NITRATE	-	-	-	-	A	-
BARIUM SULFATE	A	A	A	A	A	A
BARIUM SULFIDE	A	A	A	A	A	A
BEER	A	-	-	A	A	B
BEET SUGAR, GRANULAR	X	-	-	-	-	B
BEET SUGAR LIQUIDS	A	-	-	A	A	A
BENZALDEHYDE	A	X	A	X	A	X
BENZENE	X	X	X	X	A	X
BENZOIC ACID	X	-	B	B	A	B
BENZOL	-	-	X	-	A	X
BLEACH SOLUTIONS	B	X	B	-	A	-
BORAX (SODIUM BORATE)	A	-	A	B	A	A
BORIC ACID	A	-	A	A	A	A
BREWERY SLOP	-	-	-	-	-	-
BROMINE	X	X	X	X	A	-
BUTADIEN	X	-	X	X	A	X
BUTANE	X	-	X	X	A	A
BUTANOL (BUTYL ACID)	B	A	A	B	A	X
BUTTER	A	A	-	B	A	X
BUTTERMILK	-	-	-	-	A	-

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
BUTTERMILK, DRIED	X	X	-	-	-	B
BUTYLENE	X	-	X	X	A	A
BUTYL ACETATE	B	X	B	X	A	X
BUTYRIC ACID	B	X	B	-	A	X
CALCIUM BISULFATE	A	A	A	-	-	-
CALCIUM BISULFIDE	-	-	-	-	A	-
CALCIUM BUSULFITE	X	A	A	A	A	A
CALCIUM CARBONATE	A	A	A	A	A	A
CALCIUM CHLORATE	-	-	-	-	A	A
CALCIUM CHLORIDE	A	A	A	A	A	A
CALCIUM HYDROXIDE	A	B	A	A	A	A
CALCIUM HYPOCHLORITE	B	X	A	B	A	A
CALCIUM SULFATE	-	A	A	-	A	A
CALGON	-	-	-	-	-	-
CANE SUGAR, GRANULAR	A	-	-	-	-	B
CANE JUICE	-	-	-	A	A	-
CARBOLIC ACID (SEE PHENOL)	B	X	X	X	A	-
CARBON BISULIDE	X	-	-	-	-	X
CARBON DIOXIDE (aqueous solution)	B	-	A	B	A	A
CARBON DIOXIDE (DRY)	B	-	A	B	A	-
CARBON DIOXIDE (WET)	B	-	A	B	A	A
CARBON DISULFIDE	X	-	X	-	A	-
CARBON MONOXIDE	A	-	-	A	A	A
CARBON TETRACHLORIDE	X	X	X	X	A	X
CARBONATED WATER	-	-	-	-	-	-
CARBONIC ACID	A	A	A	A	A	X
CASHEW NUT OIL	X	A	X	-	-	X
CASTOR OIL	X	A	A	-	-	X
CATSUP	-	-	-	-	-	A
CHLOROACETIC ACID	B	X	B	-	A	A
CHLORIC ACID	-	-	-	-	A	A
CHLORINATED GLUE	-	-	-	-	-	-
CHLORINE, ANHYDROUS LIQUID	-	-	-	-	A	-
CHLORINE, DRY	X	-	X	X	A	B
CHLORINE WATER	X	X	X	-	A	B
CHLOROBENZENE (MONO)	X	X	X	X	B	X
CHLOROFORM	X	X	X	X	A	X
CHLOROSULFONIC ACID	X	X	X	X	A	X
CHOCOLATE SYRUP	-	-	-	-	A	B
CHROMIC ACID 30%	X	X	X	X	A	X
CIDER	-	-	-	-	-	-
CITRIC ACID	A	B	A	A	A	B
CITRIC OILS	-	-	-	-	-	-
CLOROX (BLEACH)	B	X	B	-	A	-

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
COCOA BUTTER	X	A	-	-	-	-
COCONUT OIL	B	A	-	-	-	X
COFFEE	A	-	-	A	-	-
COPPER CHLORIDE	A	A	A	A	A	A
COPPER CYANIDE	A	A	A	A	A	A
COPPER FLUOBORATE	-	-	-	-	-	-
COPPER NITRATE	A	A	A	-	A	A
COPPER SULFATE 5%	B	A	A	A	A	-
COPPER SULFATE>5%	-	-	-	A	A	-
CORN OIL	A	A	-	A	A	A
COTTONSEED OIL	A	A	-	-	A	B
CRESOLS	B	B	X	X	-	X
CRESYLIC ACID	X	X	X	X	A	X
CYANIC ACID	-	-	-	-	A	-
CYCLOHEXANE	X	B	X	X	A	X
DETERGENTS	A	-	-	A	A	-
DICHLORETHANE	-	X	-	-	A	-
DIETHYLAMINE	B	B	B	B	A	-
DIETHYLENE GLYCOL	A	A	A	B	A	A
DIPHENYL OXIDE	X	-	-	X	A	-
DYES	-	-	-	-	-	-
EPSOM SALTS (MAGNESIUM SULFATE)	A	A	B	A	A	-
ETHANE	X	-	-	X	A	-
ETHANOL AMINE	B	B	B	B	A	-
ETHER3	X	-	-	X	A	X
ETHYL ACETATE	B	X	A	B	A	X
ETHYL CHLORIDE	A	X	X	X	A	X
ETHYL SULFATE	B	X	-	-	A	-
ETHYLENE CHLORIDE	X	X	X	X	A	-
ETHYLENE DICHLORIDE	X	X	X	X	A	X
ETHYLENE GLYCOL	A	A	A	A	A	A
ETHYLENE OXIDE	X	X	X	X	A	X
FATTY ACIDS	X	B	X	X	A	A
FERRIC CHLORIDE	A	A	A	B	A	A
FERRIC NITRATE	A	A	A	X	A	A
FERRIC SULFATE	A	A	A	B	A	A
FERROUS CHLORIDE	A	A	A	-	A	A
FERROUS HYDROXIDE	A	B	-	-	A	A
FERROUS SULFATE	A	A	A	-	A	A
FISH MEAL	X	A	X	-	-	B
FLOUR	X	-	-	-	-	X
FLUOBORIC ACID	A	A	-	-	A	A
FLUORINE	X	X	X	X	A	B
FLUOSILICIC ACID	A	B	-	-	A	A
FORMALDEHYDE 40%	A	A	A	-	A	A

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
FORMALDEHYDE 100%	-	-	-	B	A	-
FORMIC ACID	A	B	A	B	A	A
FREON 11	X	A	-	X	C	-
FREON 12	X	B	X	X	A	A
FREON 22	A	X	-	X	A	-
FREON 113	X	B	-	X	A	-
FREON TF	A	A	-	X	X	-
FRUIT JUICE	-	-	-	-	A	A
FUEL OILS	X	A	X	X	A	B
FURAN RESIN	X	X	-	X	A	-
FURFURAL	A	X	-	X	A	X
GALLIC ACID	B	B	B	-	A	B
GASOLINE	X	A	X	X	A	X
GELATIN	A	A	-	A	A	A
GLUCOSE	A	A	A	A	A	A
GLUE, P.V.A.	-	-	-	A	A	-
GLYCERIN	A	A	A	A	A	A
GLYCOLIC ACID 70% in water	-	-	-	A	A	A
GOLD MONOCYANIDE	-	-	-	-	X	-
GRAPE JUICE	-	A	-	-	X	A
GREASE	X	A	X	-	A	A
HEPTANE	X	A	X	X	A	X
HEXANE	X	A	X	X	A	X
HONEY	-	-	-	-	A	A
HYDRAULIC OIL (PETRO)	X	A	X	X	A	-
HYDRAULIC OIL (PHOSPATE ESTER)	A	X	X	-	A	-
HYDRAZINE	A	-	A	X	X	-
HYDROBROMIC ACID 10%	A	X	A	X	-	A
HYDROBROMIC ACID 20%	A	-	A	X	A	-
HYDROCHLORIC ACID, DRY GAS	-	-	-	-	A	-
HYDROCHLORIC ACID 20%	A	X	B	-	A	A
HYDROCHLORIC ACID 37%	B	X	X	B	A	A
HYDROCYANIC ACID	B	B	A	-	A	A
HYDROCYANIC ACID (GAS 10%)	-	-	-	-	A	A
HYDROFLUORIC ACID 20%	X	X	X	X	A	A
HYDROFLUORIC ACID 50%	-	-	-	X	A	-
HYDROFLUORIC ACID 75%	-	-	-	X	A	-
HYDROFLUORIC ACID 100%	-	-	-	X	A	-
HYDROFLUOSILICIC ACID 20%	A	B	A	-	A	A
HYDROFLUOSILICIC ACID 100%	-	-	-	X	A	A
HYDROGEN GAS	A	-	A	X	A	A
HYDROGEN PEROXIDE 3%	B	X	A	A	A	A
HYDROGEN PEROXIDE 10%	X	X	A	B	A	A

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
HYDROGEN PEROXIDE 30%	X	X	X	B	A	A
HYDROGEN PEROXIDE 100%	-	X	X	B	A	A
HYDROGEN SULFIDE (AQUA)	A	-	A	X	A	A
HYDROGEN SULFIDE (DRY)	A	-	-	X	A	A
HYDROXYACETATE ACID 70%	-	-	-	-	-	-
INK	-	-	-	-	X	-
IODINE 50 ppm in water	B	B	B	A	A	A
IODINE (IN ALCOHOL)	-	-	-	-	-	X
IODOFORM	A	-	-	-	X	-
ISOTANE	-	-	-	-	-	-
ISOPROPYL ACETATE	B	X	B	X	A	X
ISOPROPYL ETHER	X	X	X	X	A	-
JET FUEL (JP3, -4, -5)	X	-	X	X	A	X
KEROSENE	X	B	X	X	A	X
KETONES	B	X	A	-	A	X
LACQUERS	X	-	X	X	A	-
LACQUER THINNERS	-	-	X	X	A	X
LACTIC ACID	A	A	A	A	A	A
LARD	X	A	B	B	A	B
LATEX	-	-	-	-	A	-
LEAD ACETATE	A	X	B	X	A	A
LEAD SULFAMATE	A	-	-	B	A	-
LIGROIN	-	A	X	X	-	-
LIME	A	A	A	-	A	-
LINSEED OIL	X	A	B	-	-	X
LIQUOR (SPIRITS)	X	B	-	-	-	B
LUBRICATING OILS	-	A	-	X	A	-
LYMONENE	X	-	-	X	A	-
MAGNESIUM CARBONATE	-	-	-	-	A	A
MAGNESIUM CHLORIDE	A	A	A	A	A	A
MAGNESIUM HYDROXIDE	A	B	A	A	A	A
MAGNESIUM NITRATE	-	-	-	-	A	A
MAGNESIUM OXIDE	-	-	-	-	-	-
MAGNESIUM SULFATE	A	A	A	A	A	A
MALEIC ACID	X	X	A	-	A	-
MALEIC ANHYDRIDE	X	X	X	-	-	-
MALIC ACID	X	B	X	B	A	A
MASH	-	-	-	-	-	-
MAYONNAISE	-	-	-	-	X	A
MELAMINE	-	-	-	-	A	-
MERCURIC CHLORIDE (DILUTE)	A	-	-	-	A	B
MERCURIC CYANIDE	-	-	-	-	A	B
MERCURY	A	A	A	-	A	B
METHANOL (METHYL ALCOHOL)	A	A	A	A	A	-

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
METHYL ACETATE	B	X	A	X	A	X
METHYL ACRYLATE	B	-	-	X	-	-
METHYL ACETONE	B	-	A	-	A	-
METHYL ALCOHOL 10%	A	-	A	A	A	-
METHYL BROMIDE	X	-	-	-	A	X
METHYL BUTYL KETONE	A	X	-	X	-	-
METHYL CELLOSOLVE	B	X	A	X	A	-
METHYL CHLORIDE	X	-	X	X	A	X
METHYL DICHLORIDE	X	-	-	-	-	-
METHYL ETHYL KETONE	A	X	X	X	A	X
METHYL ISOBUTYL KETONE	X	X	X	X	A	X
METHYL ISOPROPYL KETONE	B	X	B	X	-	-
METHYL METHACRYLATE	X	-	X	X	-	-
METHLAMINE	-	-	-	-	A	-
METHYLENE CHLORIDE	X	-	C	-	A	X
MILK	A	A	A	A	A	A
MINERAL OIL	X	A	X	X	A	B
MOLASSES	A	A	A	-	A	A
MUSTARD	-	-	-	-	A	-
NICKEL CHLORIDE	A	A	A	A	A	A
NICKEL SULFATE	A	A	A	A	A	A
NITRATING ACID (<15%HNO3)	-	-	-	-	A	-
NITRIC ACID (5-10%)	B	X	X	X	A	A
NITRIC ACID (30%)	B	X	X	X	A	B
NITRIC ACID (50%)	X	X	X	X	A	B
NITRIC ACID (CONCENTRATED)	X	-	X	X	A	-
NITROUS ACID	-	-	-	-	A	-
NITROBENZENE	-	-	X	X	A	X
OILS: ANILINE	B	X	-	X	A	X
ANISE	-	-	-	-	-	-
BAY	-	-	-	-	-	-
BONE	-	-	-	-	-	-
CASTOR	A	A	B	A	A	A
CINNAMON	-	-	-	-	-	-
CITRIC	-	-	-	-	X	-
CLOVE	-	-	-	-	-	-
COCONUT	B	A	B	A	A	B
COD LIVER	-	-	-	B	A	-
CORN	B	A	X	A	A	A
COTTON SEED	A	B	X	A	A	B
CREOSOTE	X	B	X	X	A	X
DIESEL FUEL (20,30,40,50)	-	-	X	X	A	-
FUEL (1,2,3,5A,5B,6)	-	-	X	X	A	B
GINGER	-	-	-	-	-	-

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
HYDRAULIC (SEE HYDR. OIL)	-	-	X	-	-	-
LEMON	-	-	-	-	A	-
LINSEED	-	-	B	A	A	A
MINERAL	-	-	-	X	A	B
OLIVE	B	A	-	X	A	-
ORANGE	-	-	-	X	-	-
PALM	A	A	-	-	A	-
PEANUT	X	A	-	A	A	A
PEPPERMINT	-	-	-	-	-	-
PINE	-	-	-	X	A	-
RAPESEED	-	-	-	X	-	-
ROSIN	-	-	-	-	A	-
SESAME SEED	-	-	-	-	A	-
SILICONE	-	-	-	X	A	-
SOYBEAN	-	-	-	A	A	B
SPERM	-	-	-	-	-	-
TANNING	-	-	-	-	-	-
TURBINE	-	-	-	X	A	-
OLEIC ACID	B	A	X	X	A	B
OLEUM 25%	X	X	X	X	A	-
OLEUM 100%	X	X	X	X	A	-
OLIVE OIL	B	A	-	-	-	X
ORANGE JUICE	A	A	A	-	-	A
OXALIC ACID (COLD)	A	X	A	B	A	A
PARAFFIN	X	A	X	-	A	B
PEANUT OIL	X	A	-	A	A	A
PENTANE	X	A	X	X	A	X
PERCHLOROETHYLENE	X	X	X	X	A	X
PETROLATUM	X	A	X	-	X	-
PHENOL (10%)	-	-	-	X	A	-
PHENOL (CARBOLIC ACID)	-	-	-	X	A	-
PHOSPHORIC ACID (10%)	A	A	A	X	A	A
PHOSPHORIC ACID (10-85%)	A	X	A	X	A	A
PHOSPHORIC ACID (CRUDE)	-	-	-	X	A	-
PHOSPHORIC ACID ANHYDRIDE	-	-	-	-	-	-
PHOSPHORIC ACID (MOLTEN)	-	-	-	-	-	-
PHOTOGRAPHIC DEVELOPER	-	-	-	A	A	-
PHTHALIC ANHYDRIDE	-	-	-	-	A	-
PICRIC ACID	-	-	-	X	A	X
PLATING SOLUTIONS	-	-	-	-	-	-
ANTIMONY PLATING 130F	A	-	-	-	A	-
ARSENIC PLATING	A	-	-	-	A	-
110F						
BRASS PLATING	-	-	-	-	-	A
REGULAR BRASS BATH 100F	A	-	-	-	A	-

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
HIGH SPEED BRASS BATH 110F	A	-	-	-	A	-
BRONZE PLATING	-	-	-	-	-	-
CU-CD BRONZE BATH R.T.	A	-	-	-	A	-
CU-SN BRONZE BATH 160°F	A	-	-	-	A	-
CU-ZN BRONZE BATH 100°F	A	-	-	-	A	-
CADMIUM PLATING	-	-	-	-	-	A
CYANIDE BATH 90°F	A	-	-	-	A	-
FOUBORATE BATH 100°F	A	-	-	-	A	-
CHROMIUM PLATING	-	-	-	-	-	B
CHROMIC-SULFRIC BATH 130°F	A	-	-	-	A	-
FLUOSILICATE BATH 95°F	A	-	-	-	A	-
FLOURIDE BATH 130°F	A	-	-	-	A	-
BLACK CHROME BATH 115°F	A	-	-	-	A	-
BARREL CHROME BATH 95°F	A	-	-	-	A	-
COPPER PLATING (CYANIDE)	-	-	-	-	-	A
COPPER STRIKE BATH 120°F	A	-	-	-	A	-
ROCHELLE SALT BATH 150°F	A	-	-	-	A	-
HIGH SPEED BATH 180°F	A	-	-	-	A	-
COPPER PLATING (ACID)	-	-	-	-	-	A
COPPER SULFATE BATH R.T.	A	-	-	-	A	-
COPPER FLUOBORATE BATH	A	-	-	-	A	-
120°F	-	-	-	-	-	-
COPPER PLATING (MISC.)	-	-	-	-	-	A
COPPER PYROPHOSPHATE	A	-	-	-	A	-
COPPER (ELECTROLESS)	A	-	-	-	A	-
GOLD PLATING	-	-	-	-	-	A
CYANIDE 150°F	A	-	-	-	A	-
NEURAL 75°F	A	-	-	-	A	-
ACID 75°F	A	-	-	-	A	-
INDIUM SULFAMATE PLATING	A	-	-	-	A	-
R.T.						
IRON PLATING	-	-	-	-	-	-
FERROUS CHLORIDE BATH	A	-	A	-	A	-
190°F						
FERROUS SULFATE	A	-	E	-	A	-
BATH 150°F						
FERROUS AM SULFATE BATH	A	-	-	-	A	-
150°F	-	-	-	-	-	-
SULFATE-CHLORIDE BATH	A	-	-	-	A	-
160°F						
FLUOBORATE BATH 145°F	A	-	-	-	A	-
SULFAMATE 140°F	A	-	-	-	A	-
LEAD FLOBORATE PLATING	A	-	-	-	A	A
NICKEL PLATING	-	-	-	-	-	A
WATTS TYPE 115-160°F	A	-	-	-	A	-

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
HIGH CHLORIDE 130-160°F	A	-	-	-	A	-
FLUOBORATE 100-170°F	A	-	-	-	A	-
SULFAMATE 100-140°F	A	-	-	-	A	-
ELECTROLESS 200°F	A	-	-	-	A	-
RHODIUM PLATING 120°F	A	-	-	-	A	A
SILVER PLATING 80-120°F	A	-	-	-	A	A
TIN-FLUOBORATE PLATING 100°F	A	-	-	-	A	A
TIN-LEAD PLATING 100°F	A	-	-	-	A	A
ZINC PLATING	-	-	-	-	-	A
ACID CHLORIDE 140°F	A	-	-	-	A	-
ACID SULFATE BATH 150°F	A	-	-	-	A	-
ACID FLOUBORATE BATH R.T.	A	-	-	-	A	-
ALKALINE CYANIDE BATH R.T.	A	-	-	-	A	-
POTASH	-	-	-	-	-	-
POTASSIUM BICARBONATE	-	-	-	-	A	A
POTASSIUM BROMIDE	-	-	-	-	A	A
POTASSIUM CHLORATE	-	-	-	-	A	A
POTASSIUM CHLORIDE	A	-	A	A	A	A
POTASSIUM CHROMATE	B	A	A	-	A	A
POTASSIUM CYANIDE SOLUTIONS	A	A	A	A	A	A
POTASSIUM DICHROMATE	A	-	A	A	A	A
POTASSIUM FERROCYANIDE	-	-	-	-	A	A
POTASSIUM HYDROXIDE (CAUSTIC POTASH)	A	B	A	X	A	A
POTASSIUM NITRATE	A	A	A	A	A	A
POTASSIUM PERMANGANATE	A	B	A	-	A	-
POTASSIUM SULFATE	A	A	A	A	A	A
POTASSIUM SULFIDE	A	A	A	A	A	A
POTATO FLOUR	X	-	-	-	-	A
PROPANE (LIQUIFIED)	X	-	-	X	A	A
PROPYLENE GLYCOL	X	A	A	-	A	-
PYRIDINE	B	-	-	X	A	-
PYROGALLIC ACID	-	-	-	-	A	-
ROSINS	-	-	-	-	A	-
RUM	-	-	-	-	-	-
RUST INHIBITORS	-	-	-	-	-	-
SALAD DRESSINGS	-	-	-	-	-	-
SALT, GRANULAR, TABLE GRADE	X	-	-	-	-	A
SEA WATER	A	A	A	A	A	A
SHELLAC (BLEACHED)	-	-	-	-	A	-
SHELLAC (ORANGE)	-	-	-	-	A	-

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
SHORTENING	X	A	-	-	-	-
SILICONE	-	-	-	X	A	-
SILVER BROMIDE	-	-	-	-	A	-
SILVER NITRATE	A	-	A	A	A	A
SOAP SOLUTIONS	A	A	A	A	A	A
SODA ASH (SEE SODIUM CARBONATE)	A	A	A	A	-	A
SODIUM ACETATE	A	X	A	X	A	A
SODIUM ALUMINATE	A	A	A	-	A	-
SODIUM BICARBONATE	A	A	A	X	A	A
SODIUM BISULFATE	A	A	A	-	A	A
SODIUM BISULFITE	A	A	A	A	A	A
SODIUM BORATE	A	A	A	A	A	-
SODIUM CARBONATE	A	A	A	A	A	A
SODIUM CHLORATE	-	-	-	-	A	B
SODIUM CHLORIDE	A	A	A	A	A	A
SODIUM CHROMATE	-	-	-	-	A	-
SODIUM CYANIDE	A	-	A	A	A	A
SODIUM FLOURIDE	-	-	-	-	A	A
SODIUM HYDROSULFITE	-	-	-	-	A	-
SODIUM HYDROXIDE (20%)	A	B	A	B	A	A
SODIUM HYDROXIDE (50%)	A	B	A	B	A	B
SODIUM HYDROXIDE (80%)	A	X	A	X	A	-
SODIUM HYPOCHLORITE (<20%)	A	X	A	B	A	A
SODIUM HYPOCHLORITE (100%)	B	X	B	B	A	-
SODIUM HYPOSULFATE	-	-	-	-	A	-
SODIUM METAPHOSPHATE	A	-	A	-	A	-
SODIUM METASILICATE	-	-	-	-	A	-
SODIUM NITRATE	A	A	A	X	A	A
SODIUM PERBORATE	A	-	A	B	A	-
SODIUM PEROXIDE	A	-	A	X	A	-
SODIUM POLYPHOSPHATE	-	-	-	X	A	-
SODIUM SILICATE	A	A	A	-	A	A
SODIUM SULFATE	A	A	A	A	A	A
SODIUM SULFIDE	A	A	A	A	A	A
SODIUM SULFITE	A	A	A	A	A	A
SODIUM TETRABORATE	-	-	-	-	A	-
SODIUM THIOSULFATE (HYPO)	A	A	A	A	A	A
SORGHUM	-	-	-	-	-	-
SOY SAUCE	-	-	-	-	-	-
SOYBEAN OIL	X	A	-	-	-	X
STANNIC CHLORIDE	B	A	X	B	A	A
STANNIC FLUOBORATE	-	-	-	-	-	-
STANNOUS CHLORIDE	A	A	X	B	A	A

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
STARCH	-	-	-	X	A	-
STEARIC ACID	B	A	B	-	A	B
STODDARD SOLVENT	X	A	X	X	A	X
STYRENE	X	X	X	X	A	X
SUCROSE	X	A	-	-	-	A
SUGAR, GRANULATED	X	-	-	-	-	A
SUGAR (LIQUIDS)	A	-	-	A	A	A
SUGAR, SYRUP	A	A	-	-	-	A
SULFATE (LIQUORS)	-	-	-	-	A	B
SULFUR CHLORIDE	X	-	X	X	A	-
SULFUR DIOXIDE	A	-	A	B	A	-
SULFUR DIOXIDE (DRY)	B	-	-	B	A	-
SULFUR TRIOXIDE (DRY)	B	-	-	X	A	-
SULFURIC ACID (<10%)	A	-	A	X	A	A
SULFURIC ACID (10-75%)	A	-	A	X	A	A
SULFURIC ACID (75-100%)	-	-	B	X	A	-
SULFURIC ACID (HOT CONC)	-	-	-	X	A	-
SULFURIC ACID (COLD CONC)	-	-	-	X	A	-
SULFUROUS ACID	B	-	B	X	A	A
SULFURYL CHLORIDE	-	-	-	-	A	-
TALLOW	-	A	A	-	A	-
TANNIC ACID	A	B	A	B	A	A
TANNING LIQUORS	-	-	-	-	A	A
TARTARIC ACID	B	X	X	A	A	A
TETRACHLOROETHANE	X	X	X	-	A	-
TETRACHLOROETHYLENE	X	X	X	-	A	-
TETRAHYDROFURAN	B	X	X	-	A	X
TOLUENE (TOLUOL)	X	X	X	X	A	-
TOMATO JUICE	B	X	-	-	A	A
TOMATO JUICE, PASTE & PUREE SAUCE	B	A	-	-	A	B
TRICHLOROETHANE	X	X	X	X	A	-
TRICHLOROETHYLENE	X	X	X	X	A	X
TRICHLOROPROPANE	-	X	-	-	A	-
TRICRESYLPHOSPHATE	A	X	A	X	A	X
TRIETHYLAMINE	B	B	A	-	A	B
TURPENTINE	X	A	X	X	A	X
URINE	-	-	-	-	A	A
VARNISH	X	X	X	X	A	X
VEGETABLE JUICE	-	-	-	-	-	-
VEGETABLE OIL	A	A	X	A	-	X
VINEGAR	A	B	A	A	A	A
WATER, ACID, MINE	-	-	-	B	A	A
WATER, DISTILLED	A	A	A	A	A	A
WATER, DEIONIZED	A	A	A	A	A	A
WATER, FRESH	A	A	A	B	A	A

CHEMICAL	BUTYL	NITRILE	EPDM	SILICONE	TEFLON®	PVC
WATER, POTABLE	A	A	A	-	-	A
WATER, SALT	-	-	-	-	A	A
WEED KILLERS	-	-	-	-	-	-
WHEY	-	-	-	-	-	-
WINE	A	A	A	A	A	X
WHISKEY	A	B	A	A	A	X
WHITE LIQUOR (PULP MILL)	-	-	-	-	A	-
WHITE WATER (PAPER MILL)	-	-	-	-	-	A
XYLENE	X	X	X	X	A	X
ZINC CHLORIDE	A	A	A	-	A	A
ZINC HYDROSULFITE	-	-	-	-	-	-
ZINC SULFATE	A	A	A	A	A	A

*Teflon is a registered trademark of E.I. DuPont deNemours and Company