The information in this chart is to be used only as a guide. FTI does not warrant (neither express or implied) that the information in this chart is accurate or complete. If a number is in a cell that is the maximum temperature for that material in degrees Fahrenheit.

Key:
A = Excellent
B = Good
C = Fair
X = Not Recommended
ND = No Data Available

NOTES:
EXPLOSION HAZARD! FTI Air pumps with standard materials of construction should not be used with halogenated hydrocarbons. Halogenated hydrocarbons solvents can cause an explosion when used with aluminum components in a closed (pressurized) fluid system. FTI Air pumps with standard materials of construction pumps contain aluminum components and will be affected by halogenated hydrocarbon solvents.

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Acetaldehyde	A	A	C	A	X	X	B	B	X	A	A	X
Acetamide	A	A	A/125	A	B	C	A	ND	A	A	A	X
Acetic Acid, 10%	B	A	A	A	C	C	C	A	X	A	A	C
Acetic Acid, 20%	B	A	A	A	C	C	C	A	X	A	A	C
Acetic Acid, 50%	X	A	B	A	C	C	C	A	X	A	A	C
Acetic Acid, 80%	C	A	B	A	C	C	C	A	X	A	A	X
Acetic Acid, Glacial	B	A	C	B	X	X	C	A	X	B	A	X
Acetone	B	A	X	X	X	X	B	C	X	A	A	X
Acetonitrile (Methylcyanide)	A	A	X	B	C	X	A	A/70	X	A	A	B
Acetophenone	B	A	A/75	A	X	X	B	ND	X	B	A	X
Acetyl Chloride	X	A	X	A	X	X	B	X	B	X	A	X
Acetylene	A	A	X	A	C	X	C	A	A	A	A	X
Acrylic Acid (Propenoic Acid) (polypropylene must be conductive version)	A	B	A/70	A	ND	ND	A	ND	X	A	A	X
Acrylonitrile (polypropylene must be conductive version)	A	A	B	A	X	X	B	ND	X	X	A	X
Adipic Acid (polypropylene must be conductive version)	B	A	A	A	X	B	B	ND	A	A	A	A
Alcohol, Butyl (polypropylene must be conductive version)	C	A	A	A	C	A	C	C	A	A	A	X
Alcohol, Butyl, Secondary	C	A	A	A	C	A	C	C	C	C	A	X
Alcohol, Ethyl	B	A	A	A	C	A	C	C	C	A	A	X
Alcohol, Isopropyl	B	A	A	A	C	B	B	C	A	A	A	X
Alcohol, Methyl	B	A	A	A	C	A	C	C	X	A	A	X

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Alcohol, Propyl (Isopropyl Alcohol)	C	B	A	A	C	A	C	ND	A	A	A	X
Alcohols	C	A	A	A	C	B	ND	C	C	C	A	ND
Alum	A	A	A	A	A	A	A	ND	X	A	A	B/104
Aluminum Acetate	A	C	A/100	A	C	B	A	ND	X	A	A	X
Aluminum Chloride, 1%	X	C	A	A	A	A	A/70	B	A	A	A	B
Aluminum Chloride, 100%	X	B	A	A	A	A	A	B	A	A	A	B
Aluminum Chloride, 20%	X	X	A	A	A	A	A	B	A	A	A	C
Aluminum Chloride, 40%	X	X	A	A	A	A	ND	B	A	A	A	X
Aluminum Chloride, 5%	X	X	A	A	A	A	ND	C	A	A	A	X
Aluminum Potassium Sulfate	C	A	A	A	A	A	A	ND	A	A	A	X
Aluminum Sulfate (28%)	B	B	A	A	A	A	A	A	A	A	A	B
Aluminum Sulfate (98-100%)	X	B	A	A	C	A	A	A	A	A	A	X
Amines	A	A	B	X	B	X	A	C	X	C	A	X
Ammonia (Anhydrous)	A	A	A	A	B	C	A	X	X	A	A	X
Ammonia Water, 10%	A	A	A	A	A	A/140	A	ND	X	A	A	ND
Ammonium Bisulfide (Ammonium Sulfide)	B	A	A	A	C	C	ND	ND	X	C	A	ND
Ammonium Bromide	ND	A	ND	ND	A/70	ND	ND	ND	ND	A/70	ND	A/70
Ammonium Bromide, 5%	ND	A	ND	ND	A/70	ND	ND	ND	ND	ND	ND	A/70
Ammonium Carbonate	B	A	A	A	B	X	A	ND	A	A	A	A
Ammonium Chloride	X	B	A	A	A	A	A	A	A	A	A	A
Ammonium Dichromate	A	B	B	A	A	C	A	ND	ND	A	A	ND
Ammonium Fluoride, 10%	C	B	A	A	B	B	B	ND	A	A	A	ND
Ammonium Fluoride, 25%	ND	X	A	A	C	B	B/70	ND	A	A	A	ND
Ammonium Hydroxide, 10% (Ammonia Aqueous)	B	B	A	A	B	A	A	X	C	A	A	X
Ammonium Nitrate	B	A	A	A	B	A	A	C	A	A	A	C
Ammonium Persulfate	C	B	A	A	A	B	A	ND	A	B	A	X
Ammonium Phosphate (mono basic)	X	C	A	A	A	A	A	C	A	A	A	B/70
Ammonium Sulfate	X	A	A	A	A	A	A	C	A	A	A	A
Ammonium Sulfide	B	A	A	A	A	A	A	ND	X	C	A	C
Amyl Acetate	B	A	X	A	X	X	B	X	X	A	A	X
Amyl Alcohol	A	A	A	A	A	A	B	A	A	A	A	X
Amyl Chloride, 84-100%	X	A	X	A	X	X	C	ND	A	X	A	C
Aniline Dyes	B	A	ND	A	C	C	B	X	B	C	A	X
Animal Fats	A	A	A	A	C	A	C	B	A	B	A	B
Anti-Freeze	A	A	A	A	B	A	A	A	A	A	A	B

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Aromatic Hydrocarbons	A	A	X	A	X	X	C	C	A	X	A	X
Asphalt	A	A	A	A	C	B	B	B	A	X	A	B
Beer	A	A	A	A	A	C	A	B	A	A	A	X
Beet Sugar Liquids	A	A	A	A	A	A	A	B/70	A	A	A	X
Benzaldehyde	A	A	A/80	A	X	X	C	C	X	A	A	X
Benzene	B	A	X	B	X	X	C	X	A	X	A	X
Benzoic Acid	B	A	X	A	B	X	C	ND	A	B	A	X
Benzol	B	A	X	A	X	X	B	X	B	X	A	X
Benzyl Alcohol	A	A	A	A	X	X	X	X	C	X	A	X
Benzyl Chloride	X	B	X	A	X	X	C	ND	B	X	A	X
Bleach, 12.5%	X	C	B/72	A	X	X	B	C	C	A	A	X
Bleach, 5.5%	X	C	B/72	A	X	X	B	C	B	A	A	X
Boric Acid	A	A	A	A	A	A	A	A	A	A	A	A
Brine, Basic	C	A	A	A	B	A	A	C	A	A	A	A
Bromine, Liquid	X	X	X	A	ND	X	C	X	A	X	A	X
Bunker Oil	A	A	ND	ND	C	A	B	ND	A	X	A	C
Butanol	A	A	A	A	A	A	A	C	A	A	A	X
Butter	A	A	A/70	A	C	A	B	B	A	A	A	A
Buttermilk	A	A	C	A	A	A	A	ND	A	A	A	A
Butyl Acetate	A	A	X	B	X	X	B	C	X	B	A	X
Butyl Alcohol	A	A	A	A	C	A	A	C	A	A	A	X
Calcium Bisulfide	C	A	A	A	A	A	X	C	A	X	A	C
Calcium Bisulfite	X	B	A	A	A	A	X	X	A	X	A	A
Calcium Carbonate	C	A	A	A	A	A	A	ND	A	A	A	X
Calcium Chloride	C	A	A	A	A	A	A	A	A	A	A	A
Calcium Hydroxide	X	A	A	A	A	A	A	C	A	A	A	C
Calgon	ND	A	A	B	A	A	A	ND	A	A	A	X
Cane Juice	B	A	X	B	A	A	A	B/70	A	A	A	C
Carbon Disulfide	B	A	X	A	X	X	X	C	A	X	A	C
Carbon Tetrachloride	X	A	X	A	X	X	X	X	A	X	A	X
Carbonated Water	C	A	A	A	A	A	A	A	A	A	A	A
Castor Oil	A	A	A	A	A	A	B	B	A	B	A	A
Catsup (Ketchup)	B	A	A	A	C	A	A	A/70	A	A	A	C
Caustic Potash (See Potassium Hydroxide)	X	B	A	X	C	B	A	X	C	A	A	ND
Caustic Soda (See Sodium Hydroxide)	X	A	A	X	B	X	A	X	C	A	A	C

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Chlorine Dioxide	ND	X	X	A	X	X	X	ND	C	X	A	X
Chlorine Dioxide, 15%	ND	X	X	A	X	X	X	ND	C	X	A	X
Chlorine, Liquid	X	X	X	A	X	X	X	ND	A	X	A	X
Chlorobenzene	X	A	X	A	X	X	C	X	A	X	A	X
Chloroform	X	A	X	A	X	X	X	X	A	X	A	X
Chocolate Syrup	A	A	A/120	A	A	A	A	ND	A	A	A	ND
Chromic Acid, 10%	B	B	A	A	X	X	A	X	A	A	A	X
Chromic Acid, 20%	X	X	A	A	X	X	A	X	A	C	A	X
Chromic Acid, 40%	X	X	A	A	X	X	X	X	A	X	A	X
Chromic Acid, 50%	X	X	A	A	X	X	X	X	A	X	A	X
Cider	B	A	A	A	A	A	A	B	A	A	A	X
Citric Acid	C	A	A	A	A	A	A	A	A	A	A	A
Clorox (Bleach)	X	A	X	A	B	C	B	ND	A	A	A	X
Cod Liver Oil	A	A	A	A	B	B	C	ND	A	A	A	A
Coffee	A	A	A/70	ND	A	A	A	ND	A	A	A	X
Copper Sulfate	X	A	A	A	A	A	A	A	A	A	A	A
Corn Oil	B	B	A	A	C	A	B	A	A	C	A	A
Cream	A	A	A/70	ND	C	B	A	ND	A	A	A	ND
Creosote	B	B	X	A	C	A	B	X	A	X	A	C
Crude Oil	A	A	B	A	B	B	C	B/70	A	X	A	B
Cutting Oil (Sulfur Base)	A	A	A/70	ND	C	A	X	ND	A	X	A	A
Cutting Oil (Water Soluble)	A	A	A/70	ND	X	C	X	ND	A	X	A	A
Cyclohexane	B	A	X	A	X	B	X	A	A	X	A	C
Detergents	B	A	A	A	A	A	B	B	A	A	A	C
Diesel Fuel	A	A	B	A	C	A	C	B	A	X	A	C
Diethylamine	B	A	A/110	A	C	X	C	ND	X	C	A	C
Dimethyl Sulfoxide	ND	ND	A/70	X	A/70	ND	C	ND	X	A/70	A	X
Dimethylamine	ND	ND	A	C	C	X	B	ND	X	X	A	ND
Disodium Phosphate	ND	C	A	A	C	C	ND	ND	C	C	A	A/150
Epichlorohydrin	X	A	B/125	X	X	X	B	X	X	C	A	X
Ethanol (Ethyl Alcohol)	B	A	A	A	A	A	B	C	C	A	A	X
Ethyl Acetate	B	A	A	X	X	X	C	C	X	B	A	X
Ethyl Alcohol (Ethanol)	B	A	A	A	A	A	B	X	C	A	A	X
Ethylene Glycol	A	A	A	A	A	A	A	A	A	A	A	B
Ferric Chloride	X	ND	A	A	A	A	A	X	A	A	A	A

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Ferric Hydroxide	ND	A	A	A	X	B	B	ND	A	A	A	ND
Ferric Sulfate	X	A	A	A	A	A	A	C	A	A	A	C
Ferric Sulfide	ND	C	A	A	ND	ND	ND	ND	ND	ND	ND	ND
Fish Oil	ND	A	A	ND	B	A	B	ND	A	X	A	B
Formaldehyde, 37%	A	A	A	A	C	B	B	C	A	A	A	X
Formaldehyde, 50%	B	A	A	B	C	X	C	X	A	B	A	X
Formic Acid	X	C	B	A	C	X	A	C	C	B	A	X
Freon 11	X	A	A/70	A	C	C	X	A	B	X	A	X
Freon 22	X	A	A/75	A	B	X	X	X	X	C	A	X
Fruit Juice	A	A	A	A	A	A	A	B	A	A	A	A
Fuel Oil	A	A	B	A	X	A	C	C	A	X	A	B
Furfural	A	A	X	B	C	X	C	C	X	A	A	X
Gasoline, Unleaded	A	A	X	A	X	A	C	A	A	X	A	X
Gelatine	A	A	A	A	A	A	A	B	B	A	A	X
Glycerine	A	A	A	A	A	A	A	A	A	A	A	B
Grape Juice	B	A	A	A	X	C	A	ND	A	A	A	X
Grease	A	A	B/70	A	X	A	B	A	A	X	A	A
Heptane	A	A	X	A	C	A	C	C	A	X	A	B
Hexane	A	A	X	A	X	A	C	C	A	X	A	B
Hexyl Alcohol	A	A	A/70	A	C	A	B	ND	A	A	A	X
Honey	A	A	A	A	A	A	A	ND	A	A	A	ND
Hydraulic Oils (Petroleum)	A	A	X	A	B	A	X	X	A	X	A	A
Hydraulic Oils (Synthetic)	A	A	X	A	X	X	A	X	A	X	A	B
Hydrochloric Acid, 10%	X	X	A	A	C	C	A	C	A	X	A	B
Hydrochloric Acid, 15%	X	X	A	A	X	X	A	X	A	X	A	B
Hydrochloric Acid, 2%	X	X	A	A	C	C	A	C	A	X	A	B
Hydrochloric Acid, 20%	X	X	A	A	X	X	A	X	A	X	A	C
Hydrochloric Acid, 25%	X	X	A	A	X	X	A	X	A	X	A	C
Hydrochloric Acid, 37%	X	X	A	A	X	X	A	X	B	X	A	X
Hydrofluoric Acid, 30%	X	X	X	A	C	X	X	X	A	C	A	X
Hydrofluoric Acid, 40%	X	X	X	A	C	X	X	X	A	X	A	X
Hydrofluoric Acid, 48%	X	X	A/140	A	X	X	X	X	A	X	A	X
Hydrofluoric Acid, 50%	X	X	A/150	A	X	X	X	X	A	X	A	X
Hydrofluoric Acid, 70%	X	X	B/72	A	X	X	X	X	ND	X	A	X
Hydrofluosilicic Acid, 20%	X	X	A	A	B	C	B	C	A	A	A	X

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Hydrofluosilicic Acid, 50%	X	X	A	A	C	C	B	C	A	B	A	X
Hydrogen Peroxide, 30%	C	B	A	A	X	X	A	X	A	C	A	C
Hydrogen Peroxide, 5%	C	A	A	A	C	B	A	X	A	B	A	C
Hydrogen Peroxide, 50%	C	C	C	A	X	X	A	X	A	C	A	C
Hydrogen Peroxide, 90%	C	B	X	A	X	X	X	X	A	C	A	C
Hydrogen Sulfide, Aqueous (wet gas)	C	A	A	A	C	X	A	A	X	A	A	X
Hypochlorous Acid	X	X	A	A	X	X	A	ND	A	B	A	X
Ink	C	A	A	A	A	A	A	A	A	A	A	A
Isobutyl Alcohol	A	A	A	A	B	C	A	ND	B	A	A	X
Isooctane	A	A	A/70	A	B	A	C	A	A	X	A	B
Isopropanol (Isopropyl alcohol)	A	A	A	A	A	B	B	A	A	A	A	X
Jet Fuel (Jp3, Jp4, Jp5)	A	A	X	A	C	A	X	A	A	X	A	C
Kerosene	A	A	B/72	A	C	A	X	A	A	X	A	B
Ketones	B	A	X	X	X	X	X	ND	X	A	A	X
Lacquer Solvents	A	A	C	X	X	X	C	C	X	X	A	X
Lacquers	A	A	C	X	X	X	C	X	X	X	A	X
Lard	A	A	A	A	C	A	B	B	A	X	A	B
Lye Solutions (See Sodium & Potassium Hydroxide)	X	A	A	X	C	X	A	X	X	A	A	C
Magnesium Sulfate	A	A	A	A	A	A	A	C	A	A	A	X
Mayonnaise	X	A	A/70	C	A	A	A	A/70	A	A	A	X
Methane	A	A	B/120	A	B	A	X	C	A	X	A	C
Methyl Alcohol (Methanol)	B	A	A/70	A	A	A	A	C	X	A	A	X
Methyl Ethyl Ketone	B/70	A	X	X	X	X	B	C	X	A	A	X
Methylamine	B	A	X	X	A	B	A	ND	X	A	A	X
Milk	A	A	A	A	A	B	A	B	A	A	A	X
Molasses	A	A	A	A	A	A	A	B	A	A	A	B
Monoethanolamine	B	A	X	X	C	C	A	ND	X	A	A	X
Mustard	B	A	A	A	A	C	A	B	X	A	A	B
Naphtha	A	A	X	A	X	A	X	A	A	X	A	C
Nickel Acetate	B	A	A	A	B	C	A	ND	X	A	A	X
Nickel Chloride	X	B	A	A	A	A	A	X	A	A	A	A
Nickel Nitrate	X	A	A	A	A	A	A	ND	A	A	A	A
Nickel Sulfate (Nickel Salt)	X	A	A	A	A	A	A	X	A	A	A	A
Nitric Acid, 10%	X	A	A	A	X	X	A	X	A	B	A	X
Nitric Acid, 25-35%	X	A	A	A	X	X	B	X	A	C	A	X

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Nitric Acid, 40%	X	A	A/104	A	X	X	X	X	A	X	A	X
Nitric Acid, 50%	X	A	A/104	A	X	X	X	X	A	X	A	X
Nitric Acid, 70%	X	A	X	A	X	X	X	X	A	X	A	X
Nitric Acid, 90%	X	A	X	A	X	X	X	X	A	X	A	X
Nitric Acid, White Fuming	X	ND	X	X	X	X	X	X	B	X	A	X
Octane	ND	C	A/75	A	X	C	B	ND	A	X	A	X
Octanol, 1 (Octyle Alcohol)	A	A	A	A	B	B	B	ND	C	A	A	X
Olive Oil	A	A	A	A	B	A	B	A	A	X	A	A
Orange Oil	A	A	B/70	A	C	A	C	ND	A	B	A	ND
Oxalic Acid	B	A	A	B	B	C	A	X	A	A	A	X
Paraffin	A	A	A	A	B	A	A	A/140	A	X	A	A
Peracetic Acid, 40%	X	B	X	C	B	ND	C	X	A	B	A	ND
Perchloric Acid, 10%	X	B	A	A	B	X	X	X	A	A	A	X
Perchloric Acid, 70%	ND	X	A/120	A	X	X	X	X	A	A	A	X
Perchloroethylene	X	A	X	A	X	X	X	X	A	X	A	X
Petrolatum	B	A	B	A	B	A	B	ND	A	X	A	X
Phenol	B	A	A/104	A	C	X	A	X	A	X	A	X
Phosphoric Acid, 10% (Air Free)	X	A	A	A	B	B	A	ND	A	A	A	A
Phosphoric Acid, 25% (Air Free)	X	A	A	A	B	B	A	ND	A	A	A	C
Phosphoric Acid, 50% (Air Free)	X	A	A	A	C	X	B	ND	A	A	A	C
Phosphoric Acid, 70% (Air Free)	X	A	A	A	C	X	C	X	A	A	A	C
Phosphoric Acid, 85% (Air Free)	X	A	A	A	C	X	C	X	A	A	A	X
Pine Oil	A	A	A/70	A	X	B	C	ND	A	X	A	X
Plating Solutions, Brass	C	A	A	A	C	B	A	ND	A	C	A	A/150
Plating Solutions, Cadmium (Cyanide)	A	A	A	A	C	A	A	ND	A	C	A	A/150
Plating Solutions, Chrome (Chromic Sulfuric)	A	C	C	A	X	X	A	ND	A	C	A	X
Plating Solutions, Copper (Sulfate)	A	X	A	A	C	A	A/70	ND	A	A	A	X
Plating Solutions, Gold (Cyanide)	ND	A	A	A	C	C	A/70	ND	A	C	A	A/150
Plating Solutions, Iron (Sulfate)	C	A	A	A	C	A	A/70	ND	A	A/70	A	ND
Plating Solutions, Lead (Alkali)	C	C	A	A	B	A	A	ND	A	C	A	A/150
Plating Solutions, Nickel(Chloride)	ND	C	A	A	C	X	A/70	ND	A	C	A	A/150
Plating Solutions, Rhodium	ND	X	A	A	A/150	C	ND	ND	A	B	A	A/150
Plating Solutions, Silver	C	A	A	A	C	A	ND	ND	A	B	A	A/150
Plating Solutions, Speculum	ND	ND	A	A	ND	ND	ND	ND	ND	ND	ND	ND
Plating Solutions, Tin (Acid & Fluoborate)	ND	C	A	A	C	A	ND	ND	A	A	A	A/150

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Plating Solutions, Zinc (Acid Chloride)	ND	X	A	A	C	A	ND	ND	A	C	A	A/150
Potassium Bicarbonate	B	A	A/70	A	A	A	A	ND	A	A	A	C
Potassium Bisulfate	A	A	A	A	A	A	A/70	ND	A	A	A	ND
Potassium Bromide	A	A	A	A	A	A	A	ND	A	A	A	C
Potassium Chlorate	X	A	A	A	A	C	A	ND	A	A	A	A
Potassium Chloride	X	A	A	A	A	A	A	C	A	A	A	A
Potassium Cyanate	C	B	A/70	ND	A	ND	A	ND	A	A/70	A	ND
Potassium Cyanide	X	A	A	A	A	A	A	C	A	A	A	A
Potassium Hydroxide, 25%	X	A	A	A/150	B	B	A	ND	A	A	A	C
Potassium Hydroxide, 35%	X	A	A	A/150	B	B	A	ND	A	A	A	C
Potassium Hydroxide, 50%	X	A	A	A/150	B	B	A	X	A	A	A	C
Potassium Permanganate	C	B	A/70	X	C	X	A	ND	A	A	A	B
Potassium Permanganate, 10%	C	A	A	A	C	X	A	ND	A	A	A	B
Potassium Permanganate, 25%	C	C	A	A	C	X	A/70	ND	A	A	A	B
Potassium Sulfide	X	B	A	A	A	C	ND	ND	A	C	A	A
Potassium Sulfite (Sulfurous Acid)	A	B	A	A	A	A	ND	ND	A	C	A	C
Propane (Liquified)	A	A	B/100	A	B	A	C	B	A	X	A	B
Propanol (Propyl Alcohol)	A	A	A	A	A	A	A	ND	A	A	A	X
Propionic Acid	X	A	A	A	C	X	C	ND	X	A	A	X
Propyl Alcohol (propanol)	A	A	A	A	A	A	A	ND	A	A	A	X
Propylene Glycol	A	A	A	A	C	A	A	ND	A	A	A	B
Rubber Solvent	A	A	ND	ND	C	X	ND	ND	X	ND	A	ND
Salicylic Acid	A	B	A	A	C	C	ND	ND	B	A	A	C
Sea Water	C	A	A	A	B	A	A	C	A	A	A	A
Sewage	B	A	A	A	B	A	A	B	A	C	A	X
Silver Nitrate, 0-60%	X	A	A	A	A	A	A	ND	A	A	A	A
Silver Nitrate, 100%	X	B	A	A	C	A	A/70	ND	A	A	A	C
Silver Sulfate	ND	ND	A	A	A/70	A	ND	ND	A	A	ND	ND
Soap Solutions	C	A	A	A	B	A	A	A	A	A	A	A
Sodium Benzoate	A	ND	A	A	C	C	ND	ND	A	A	A	C
Sodium Bicarbonate	B	A	A	A	A	A	A	B	A	A	A	A
Sodium Bichromate	C	B	A	A	A	A	A	ND	A	A	A	A
Sodium Bisulfate	X	A	A	A	A	A	A	X	A	A	A	A
Sodium Bisulfite	B	B	A	A	A	A	A	C	A	A	A	A
Sodium Borate	C	A	A	A	A	A	A	B	A	A	A	A

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Sodium Bromate	ND	ND	A	A	A/70	ND	ND	ND	A/140	A/140	A	C
Sodium Bromide	C	B	A	A	A	ND	ND	ND	A	C	A	ND
Sodium Carbonate	X	A	A	A	A	A	A	C	A	A	A	A
Sodium Chlorate 25%	B	B	A	A	B/200	A	A/70	A/70	A	A	A	A/150
Sodium Chlorate 50-60%	X	C	A	A	B/200	A	A/70	A/70	A	A	A	A/150
Sodium Chlorate 60-70%	X	C	A	A	B/200	A	A/70	A/70	A	A	A	A/150
Sodium Chlorate 70-80%	X	C	A	A	B/200	A	A/70	A/70	A	A	A	B/150
Sodium Chlorate 80-100%	X	C	A	A	B/200	A	A/70	A/70	A	A	A	B/150
Sodium Chloride	C	A	A	A	A	A	A	A	A	A	A	A
Sodium Chlorite	ND	ND	A	A	A/70	X	ND	ND	X	X	A	C
Sodium Chromate	C	A	A	A	A	A	A	A	A	A/70	A	C
Sodium Cyanide	X	A	A	A	A	A	A	A	A	A	A	B
Sodium Dichromate	ND	B	A	B	B	C	A/70	X	C	C	A	B
Sodium Dithionite (sodium hydrosulfite)	ND	A	A	A	ND	X	ND	ND	C	C	A	C
Sodium Dithionite 12%(sodium hydrosulfite)	ND	A	A	A	ND	X	ND	ND	C	C	A	ND
Sodium Ferricyanide	ND	C	A	A	A/70	C	ND	ND	A	A	A	C
Sodium Ferrocyanide	ND	C	A	A	A	C	ND	ND	A	A	A	C
Sodium Fluoride	X	B	A	A	A	C	ND	ND	A	A	A	C
Sodium Fluoride, 5%	X	C	A	A	A	C	ND	ND	A	A	A	C
Sodium Fluorosilicate	ND	C	A/70	A	A/70	ND	ND	ND	ND	A/70	ND	ND
Sodium Formate (Formic Acid)	A	A	C	A	X	X	ND	ND	C	X	A	ND
Sodium Hydrogen Phosphate (sodium phosphate dibasic)	X	A	A	A	C	A	ND	C	A	A	A	A
Sodium Hydroxide, 10%	X	A	A	X	B	A	A	X	X	A	A	C
Sodium Hydroxide, 15%	X	A	A	X	B	A	A	X	X	A	A	C
Sodium Hydroxide, 25%	X	A	A	X	B	A	A	X	X	A	A	C
Sodium Hydroxide, 30%	X	A	A	X	B	A	A	X	X	A	A	C
Sodium Hydroxide, 50%	X	A	A	X	C	X	A	X	X	A	A	C
Sodium Hypochlorite, 12.5%	X	C	B/72	A	B	X	A	C	B	A/122	A	X
Sodium Hypochlorite, 5%	X	A	B/72	A	B	X	A	C	B	A/122	A	C
Sodium Iodide	ND	ND	A	A	B/140	ND	ND	ND	B/140	A/140	A	ND
Sodium Metaphosphate (sodium hexametaphosphate)	C	C	A	A	B	A	A	ND	A	A	A	B
Sodium Nitrate	A	A	A	A	B	A	A	B	A	A	A	B
Sodium Nitrite	A	A	A	A	X	A	ND	ND	A	A	A	C
Sodium Perchlorate	ND	A	A	A	A/70	ND	ND	ND	ND	A/70	A	C
Sodium Perchlorate, 10%	ND	A	A	A	A/70	ND	ND	ND	ND	A/70	A	ND

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Sodium Permanganate	ND	ND	A	A	ND	ND	ND	ND	ND	ND	A	C
Sodium Peroxide	C	A	A	A	B	B	B	B	A	A	A	X
Sodium Phosphate, Acid, Monobasic	X	B	A	A	C	A	A	C	A	A	A	A
Sodium Phosphate, Alkaline, Tribasic	X	B	A	A	B	A	A	B	A	A	A	A
Sodium Phosphate, Neutral, Dibasic MSDS	X	A	A	A	B	A	A	C	A	A	A	A
Sodium Silicate	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Sulfate	B	A	A	A	A	A	A	A	A	A	A	A
Sodium Sulfide	B	A	A	A	A	A	A	A	A	A	A	C
Sodium Sulfite	A	A	A	A	A	A	A	A	A	A	ND	C
Soy Sauce	A	A	A/70	ND	A	A	A	ND	A	ND	A	B
Soybean	A	A	B	A	A	A	A	A	A	X	A	B
Stannic Chloride	X	X	A	A	A	A	A	B	A	A	A	B
Stannous Chloride	X	A	A	A	A	A	B	B	C	X	A	C
Stearic Acid	C	A	A	A	B	A	C	B	A	A	A	A
Stoddards Solvent	A	A	B	A	C	A	X	A	A	X	A	B
Styrene	A	A	X	A	X	X	C	X	A	ND	A	X
Sucrose	A	A	A	ND	A	A	A	A	A	A	A	X
Sucrose Solution	A	A	A	A	A	A	A	A	A	A	A	X
Sugar (Liquids)	A	A	A	A	A	A	A	ND	A	A	A	X
Sulfamic Acid	A	X	A	A	A	X	ND	A	A	X	A	X
Sulfur Dichloride	ND	ND	X	C	ND	X	ND	ND	C	X	A	ND
Sulfur Dioxide, Wet 100%	X	A	A	A	X	X	ND	X	A	A	A	X
Sulfur Dioxide, Wet 10-80%	X	A	A	A	A	X	ND	X	A	A	A	X
Sulfuric Acid, 10% (air free)	X	B	A	A	X	X	A	A	A	A	A	C
Sulfuric Acid, 100% (air free)	X	B	X	X	X	X	X	X	A	X	A	X
Sulfuric Acid, 20% (air free)	X	X	A	A	X	X	A	A	A	A	A	C
Sulfuric Acid, 3% (air free)	X	B	A	A	X	X	A	C	A	A	A	C
Sulfuric Acid, 30% (air free)	X	X	A	A	X	X	A	A	A	A	A	C
Sulfuric Acid, 33% (air free)	X	X	A	A	X	X	A	A	A	A	A	C
Sulfuric Acid, 50% (air free)	X	X	A	A	X	X	B	A	A	A	A	X
Sulfuric Acid, 60% (air free)	X	X	A	A	X	X	B	X	A	A	A	X
Sulfuric Acid, 70% (air free)	X	X	A	A	X	X	B	X	A	A	A	X
Sulfuric Acid, 80% (air free)	X	X	A	A	X	X	B	X	A	A	A	X
Sulfuric Acid, 85% (air free)	X	X	A	A	X	X	C	X	A	B/104	A	X
Sulfuric Acid, 90% (air free)	X	X	B	A	X	X	C	X	A	B	A	X

Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neoprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Sulfuric Acid, 93% (air free)	X	X	C	A	X	X	C	X	A	B	A	X
Sulfuric Acid, 95% (air free)	X	X	X	A	X	X	C	X	A	X	A	X
Sulfuric Acid, 96% (air free)	X	X	X	A	X	X	C	X	A	X	A	X
Sulfuric Acid, 98% (air free)	X	B	X	B	X	X	C	X	A	X	A	X
Sulfuric Acid, Fuming	X	B	X	X	X	X	X	X	A	X	A	X
Tannic Acid, 10%	C	A	A	A	B	A	A	A	A	A	A	A
Tannic Acid, 100%	X	A	A	A	C	A	C	B/120	A	A	A	C
Tanning Liquors	A	A	A/130	A	B	A	A	ND	A	B	A	X
Tar, Bituminous	A	A	A	A	C	B	B	X	A	X	A	B
Tetrahydrofuran	X	A	X	X	X	X	X	C	X	X	A	X
Toluene, Toluol	A	A	X	A	X	X	X	C	B	X	A	X
Tomato Juice	B	A	A	A	A	A	A	A/70	A	A	A	A
Toothpaste	ND	A	ND	ND	C	A	ND	ND	A	A	A	ND
Trichloroethylene	X	A	X	A	X	X	X	X	C	X	A	X
Triethylamine	ND	A	X	B	B	A	B/70	ND	A	A	A	X
Trimethylamine	ND	A	A/70	A	A/70	ND	ND	ND	X	ND	A	ND
Turpentine	A	A	X	A	X	A	X	B	A	X	A	B
Urea	B	A	A	A	B	A	A	B	A	A	A	C
Varnish	A	A	A/70	A	X	B	X	A	A	X	A	C
Vegetable Oil	A	A	X	A	C	B	B	B	A	A	A	A
Vinegar	C	A	A	A	B	C	A	C	A	A	A	C
Water, Deionized	A	A	A	A	C	A	A	A	A	A	A	A/70
Water, Demineralized	ND	A	A	A	ND	A/140	A/120	ND	A	A	A	ND
Water, Distilled	B	A	A	A	C	A	A	A	A	A	A	A
Water, Fresh	A	A	A	A	B	A	A	A	A	A	A	A
Water, Salt	C	A	A	A	C	A	A	C	A	A	A	C
Water, Sea	C	A	A	A	C	A	A	C	A	A	A	C
Whiskey	A	A	A	A	A	B	A	B	A	A	A	X
White Liquor	ND	A	A	A	C	B	A/70	ND	A	A	A	X
Wine	C	A	A	A	A	A	A	A	B	A	A	X
Xylene	A	B	X	A	X	X	X	C	A	X	A	X
Xylol	A	B	X	A	X	X	X	C	A	X	A	X
Zinc Chloride	X	A	A	A	B	A	A	C	A	A	A	A
Zinc Sulfate	X	B	A	A	A	A	A	X	A	A	A	A

OFFICIAL UK DISTRIBUTOR: Michael Smith Engineers Ltd
Website: www.michael-smith-engineers.co.uk
Freephone: 0800 316 7891