

## Conductivity Chart

**NOTE:** Conductivity levels change with temperature and fluid concentrations. This is a guideline to assist in determining fluid conductivity. If the conductivity level is marginal, the application should be reviewed in further detail. Consult factory for chemicals that are not listed.

### Conductivity normally > 20 µS/CM

Acetamide
Acetic acid*
Aluminium chloride, 80%
Aluminium fluoride
Aluminium nitrate
Aluminium potassium sulfate
Aluminium sulfate, 50%
Ammonia
Ammonium bicarbonate, 50%
Ammonium bifluoride, 50%
Ammonium bisulfate
Ammonium carbamate, 50%
Ammonium carbonate, 50%
Ammonium chloride
Ammonium fluoride, 50%
Ammonium hydroxide
Ammonium iodide
Ammonium nitrate
Ammonium persulfate
Ammonium phosphate
Ammonium sulfate
Asphalt emulsion
Barium chloride
Barium hydroxide, 50%
Barium nitrate
Barium sulfate
Barium liquor
Boric acid, 50%
Brine
Butryc acid*
Cadmium bromide
Cadmium chloride, 50%
Cadmium iodide, 45%
Cadmium nitrate, 48%
Cadmium sulfate, 36%
Calcium bisulfite
Calcium bromide
Calcium carbonate
Calcium chlorate, 30%
Calcium chloride, 90%
Calcium hydroxide
Calcium hypochlorite, 6%
Calcium nitrate, 50%
Coffee extract
Cola syrup
Copper nitrate, 35%
Copper ore slurry
Copper sulfate, 17%

Cranberries, crushed
Cream cheese mix
Cupric chloride
Cupric nitrate, 50%
Cupric sulfate
Ferric chloride, 50%
Ferric nitrate, 10%
Ferric sulfate, 10%
Ferrous chloride, 10%
Ferrous sulfate, 50%
Fluosilicic acid
Formaldehyde, 35%
Formic acid (all conc.)
Fruit juices
Fudge
Gallium
Germanium tetrabromide
Glucose
Glutamic acid
Green liquor
Hydriodic acid, 5%
Hydrobromic acid, 15%
Hydrochloric acid (all conc.)
Hydrocyanic acid
Hydrofluoric acid, 48%
Hydrogen peroxide*
Hydrogen sulfide
Hypochlorous acid, 80° F
Iodic acid
Lactic acid, 10-85%
Latex
Latex paint
Lead nitrate, 60%
Lime (calcium hydroxide)
Lithium carbonate
Lithium chloride
Lithium hydroxide
Lithium iodide
Lithium sulfate
Maleic acid
Malic acid
Magnesium carbonate, 10%
Magnesium chloride
Magnesium nitrate
Magnesium sulfate
Manganese chloride
Mercuric bromide*, 42%
Mercuric chloride, 60%

Mercury
Milk (skim and regular)
Molasses
Nickel chloride, 20%
Nickel nitrate, 10%
Nickel sulfate
Nitric acid (all conc.)
Oleum
Oxalic acid (all conc.)
Paper pulp
Phosphate slurry
Phosphoric acid, 30%
Phosphoric acid, 80%
Photographic emulsion
Polystyrene
Potassium acetate
Potassium bromide, 36%
Potassium carbonate, 50%
Potassium chloride, 21%
Potassium cyanide, 6%
Potassium fluoride, 40%
Potassium hydroxide, 42%
Potassium iodide, 55%
Potassium nitrate, 22%
Potassium oxalate, 10%
Potassium sulfate, 10%
Potassium sulfide, 47%
Propionic acid, 70%
Silver nitrate, 60%
Sodium acetate, 32%
Sodium carbonate, 15%
Sodium chloride, 26%
Sodium hydroxide, 50%
Sodium iodide, 40%
Sodium nitrate, 30%
Sodium sulfate, 15%
Sodium sulfide, 18%
Strontium chloride, 22%
Strontium nitrate, 35%
Sugar solution dilute, 5%
Sulfuric acid
Titanium dioxide, 100%
Toothpaste, 100%
Urea, 100%
Zinc chloride, 60%
Zinc oxide, 100%
Zinc sulfate, 30%

Table 1: Conductivity normally > 20 µS/CM

**Conductivity normally 1-20  $\mu\text{S}/\text{CM}$**

Acetaldehyde, 100%	Furfural
Acetonitrile	Gin, 90 proof
Acetyl bromide	Hydrogen cyanide
Alizarin, 100%	Hydrogen peroxide, 90%
Allyl alcohol	Isopropyl alcohol
Arsenic tribromide	Mercuric bromide, 22%
Arsenic trichloride	Methyl acetate
Benzyl alcohol	Methyl nitrate
Capronitrile	O-Toluidine, 100%
Carboxylic acid	Phenyl isothiocyanate
Corn syrup	Phosphorous oxychloride
Chloroacetic acid	Sulfonyl chloride
Ethyl thiocyanate, 100%	Sugar solution, pure
Formamide	Vodka, 100 proof

Table 2: Conductivity normally 1-20  $\mu\text{S}/\text{CM}$

**Conductivity normally 0.5-1  $\mu\text{S}/\text{CM}$**

Chlorohydrin, 100%
Diethyl oxalate, 100%
Ethyl nitrate, 100%
Nitromethane, 100%
Proionaldehyde, 10%

Table 3: Conductivity normally 0.5-1  $\mu\text{S}/\text{CM}$

**Conductivity normally < 5  $\mu\text{S}/\text{CM}$**

Acetic acid, 99.7%	Dimethyl sulfate, 100%	Oleic acid, 100%
Acetic anhydride, 100%	Epichlorohydrin, 100%	Oxygen, 100%
Acetone (80°F)	Ethyl acetate, 100%	Paint enamel, 100%
Acetophenone, 100%	Ethyl acetoacetate, 100%	Parafin wax, 100%
Acetylene chloride, 100%	Ethyl alcohol, 100%	Peanut butter, 100%
Adipic acid, 100%	Ethylamine, 100%	Pentane, 100%
Ammonia, 100%	Ethyl benzoate, 100%	Petroleum, 100%
Aniline, 100%	Ethyl bromide, 100%	Phenetole, 100%
Animal fat, 100%	Ethylene bromide, 100%	Phenol, 100%
Anthracene	Ethylene chloride, 100%	Phosgene, 100%
Benzaldehyde, 100%	Ethyl iodide, 100%	Phosphorous, 100%
Benzene, 100%	Ethyl isothiocyanate, 100%	Pinene, 100%
Benzoic acid, 100%	Eugenol, 100%	Piperidine, 100%
Benzonitrile, 100%	Fuel oil, 100%	Piperidine, 100%
Benzylamine, 100%	Glycerol, 100%	Propionitrile, 100%
Benzyl benzoate	Glycol, 100%	M-Propyl alcohol, 100%
Bromine, 100%	Guaiacol, 100%	M-Propyl bromide, 100%
Bromobenzene, 100%	Heptane	Pyridine, 100%
Bromoform, 100%	Hydraulic fluid, 100%	Quinoline, 100%
Iso-butyl alcohol, 100%	Hydrogen bromide, 100%	Salicylaldehyde, 100%
Butyric acid, 100%	Hydrogen chloride, 100%	Soybean oil, 100%
Carbon disulfide, 100%	Hydrogen iodide, 100%	Starch, 100%
Carbon tetrachloride, 100%	Hydrogen sulfide, 100%	Stearic acid, 100%
Chlorine, 100%	Ink, 100%	Sulfur, 100%
M-Chloroaniline, 100%	Iodine, 100%	Sulfur dioxide, 100%
Chloroform, 100%	Kerosene	Toluene, 100%
Chocolate liquor, 100%	Lard, 100%	P-Toluidine, 100%
M-Creosol, 100%	Methyl alcohol, 100%	Trichloroacetic acid, 100%
Cyanogen, 100%	Methyl ethyl ketone, 100%	Trimethylamine, 100%
Cymene, 100%	Methyl iodine, 100%	Turpentine, 100%
Dichloroacetic acid, 100%	Methyl nitrate, 100%	Iso-valeic acid, 100%
Dichlorohydrin, 100%	Naphthalene, 100%	Vegetable oil, 100%
Diethylamine, 100%	Nitrobenzene, 100%	Water (dist.), 100%
Diethyl carbonate, 100%	O-OR-M-Nitrotoluene, 100%	Xylene, 100%
Diethyl sulfate, 100%	Nonane, 100%	

Table 4: Conductivity normally < 5  $\mu\text{S}/\text{CM}$

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