

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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