

<b>Conductivity Chart of Liquids</b>			
	* conductivity too low for mag		
	** Low conductivity appl.		
<b>Name</b>	<b>% by Wt.</b>	<b>Temp F</b>	<b>µS/cm</b>
Acetaldehyde		59	1.7
Acetamide		212	43
Acetic Acid	0.3	64.4	318
	1		584
	5		1230
	10		1530
	20		1610
	30		1400
	40		1080
	50		740
	60		456
	70		235
	99.7		.04*
		32	.005*
		77	.00112*
Acetic Anhydride		32	1.0**
		77	.48**
Acetone		64.4	.02*
		77	.06*
Acetonitrile		68	7
Acetophenone		77	.006*
Acetyl Bromide		77	2.4**
Acetyl Chloride		77	.4**
Adipic Acid		338	.2**
Alizarin		451.4	1.45**
Allyl Alcohol		77	7
Alum		77	9000
Ammonia	0.1	59	251
	0.4		492
	0.8		657
	1.6		867
	4.01		1100
	8.03		1040
	16.15		632
	30.5		193
		-110	.13**
Ammonium Chloride	5	64.4	91800
	10		178000
	15		259000

POB 1778 Greer, SC 29652  
 414 West Poinsett Street Greer, SC 29650

[mike@traskinst.com](mailto:mike@traskinst.com)

Ph: 864-848-3993

[www.traskinstrumentation.com](http://www.traskinstrumentation.com)

Fax: 864-848-9569

Name	% by Wt.	Temp F	µS/cm
	25		403000
Ammonium Iodide	10	64.4	77200
	20		160000
	50		420000
Ammonium Nitrate	5	59	59000
	10		112000
	30		284000
	50		363000
Ammonium Sulfate	5	59	55200
	10		101000
	20		178000
	30		229000
	31		232000
Aniline		77	.024*
Animal Fat		158	.0000007*
Anthracene		446	.0003*
Arsenic Tribromide		95	1.5**
Arsenic Trichloride		77	1.2**
Asphalt Emulsion		86	9000
Barium Chloride	5	64.4	38900
	10		73300
	15		105000
	24		153000
Barium Nitrate	4.2	64.4	20900
	8.4		35200
Barium Hydroxide	1.25	64.4	25000
	2.5		47900
Benzadehyde		77	.15**
Benzine			.076*
Benzoic Acid		257	.003*
Benzonitrile		77	.05*
Benzyl Alcohol		77	1.8**
Benzyl Benzoate		77	.00001*
Benzylamine		77	.000017*
Black Liquor		199.4	5000
Bromine		63	.00000013*
Bromobenzene		77	.00002*
Bromoform		77	.02*
ISO - Butyl Alcohol		77	.02*
Butyric Acid	1	64.4	455
	5.02		863
	10.07		986
	15.03		955
	20.01		888
	50.04		296
	70.01		56
	100		.06*
Cadium Bromide	0.0324	64.4	231
	0.0748		470

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Name	% by Wt.	Temp F	µS/cm
	0.506		2130
	1		3570
	5		10900
	10		16400
	20		23600
	30		27300
	43		26100
Cadium Chloride	0.0503	64.4	495
	0.2		1560
	0.599		3640
	1		5510
	5		16700
	10		24100
	20		29900
	30		28200
	40		22100
	50		13700
Cadium Iodide	1	64.4	2120
	5		6090
	10		10400
	15		14600
	20		18600
	30		25400
	40		30300
	45		31400
Cadium Nitrate	1	64.4	6940
	5		28900
	10		51300
	20		82700
	30		95600
	40		90300
	48		75500
Cadium Sulfate	0.0289	64.4	247
	0.0999		692
	0.495		2390
	1		4160
	5		1460
	10		24700
	25		43000
	36		42100
Calcium Chloride	5	64.4	64300
	10		114000
	20		173000
	25		178000
	30		166000
	35		137000
Calcium Nitrate	6.25	64.6	49100
	12.5		80400
	25		105000

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Name	% by Wt.	Temp F	µS/cm
	50		46900
Capronitrile		77	3.7**
Carbon Disulfide		33.8	0*
Carbon Tetrachloride		64.4	0*
Carboxylic Acid		77	5
Chlorine		-94	0*
Chloriacetic Acid		140	1.4**
M-Chloroaniline		77	.05**
Chloroform		77	.02*
Chlorohydrin		77	.5**
Chocolate Liquor			0*
Coca Cola Syrup		68	600
Coffee Extract		183.2	5000
Corn Syrup		89.6	16
Cranberries Chrushed		100.4	26
Cream Cheese Mix		174.2	5000
M-Creosol		77	.017*
Cupric Chloride	1.35	64.4	18700
	9		71600
	18.2		92400
	28.75		89700
	35.2		69900
Cupric Nitrate	5	59	36500
	10		63500
	15		85800
	20		102000
	25		109000
	35		106000
Cupric Sulfate	2.5	64.4	10900
	5		18900
	10		32000
	15		42100
	17.5		45800
Cyanogen			0*
Cyemene		77	.02*
Dichloroacetic Acid		77	0*
Dichlorohydrin		77	12
Diethyl Carbonate		77	.017*
Diethyl Oxalate		77	.76**
Diethyl Sulfate		77	.26**
Diethylamine		-28.48	.0022*
Dimethyl Sulfate		32	.16**
Epichlorohydrin		77	.034*
Ethyl Acetate		77	.00001*
Ethyl Acetoacetate		77	.04*
Ethyl Alcohol		77	.0013*
Ethyl Benzonate		77	.001*
Ethyl Bromide		77	.02*
Ethyl Ether		77	0*

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Name	% by Wt.	Temp F	µS/cm
Ethyl Isothiocyanate		77	.126**
Ethyl Nitrate		77	.53**
Ethyl Thiocyanate		77	1.2**
Ethylamine		32	.4**
Ethylene Bromide		66.2	.00002*
Ethylene Chloride		77	.03*
Ethylidene Chloride		77	.0017*
Eugenol		77	.0017*
Formalehyde	44	100.4	175
Formamide		77	4**
Formic Acid	4.94	64.4	5500
	9.55		7560
	20.34		9840
	29.83		10400
	39.95		9840
	50.02		8640
	70.06		5230
	89.02		1870
	100		280
		64.4	56
		77	64
Fudge		134.6	46
Fuel Oil			0*
Furfural		77	1.5**
Gallium		86	36800000000
Germanium Tetrabro.		86	78
Gin 90 proof		77	10
Glycerol		77	.064*
Glcol		77	.3**
Guaiacol		77	.28**
Heptane			0*
Hexane		64.4	0*
Hydraulic Fluid			0*
Hydriodic Acid		59	133000
HydrobromicAcid	5	59	191000
	10		355000
	15		494000
Hydrochloric Acid	5	59	395000
	10		630000
	20		762000
	30		662000
	40		515000
Hydrofluoric Acid	0.004	64.4	250
	0.007		380
	0.015		500
	0.03		800
	0.06		1230
	0.121		2100
	0.242		3630

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Name	% by Wt.	Temp F	µS/cm
	1.5		19800
	2.48		31500
	4.8		59300
	7.75		96300
	15.85		185000
	24.5		283000
	29.8		341000
Hydrogen Bromide		-112	.008*
Hydrogen Chloride		-140	.01*
Hydrogen Cyande		32	3.3**
Hydrogen Iodide		BP	.2**
Hydrogen Peroxide	90	140	2**
Hydrogen Sulfide		BP	0*
Ink		199.4	0*
Iodine		230	0*
Kerosene		77	.0017*
Lard			0*
Latex		77	1750
Latex Paint		77	700
Lead Nitrate	5	59	19100
	10		32200
	15		42900
	20		52100
	25		60000
	30		66800
Lithium Carbonate	0.2	64.4	3430
	0.63		8850
Lithium Chloride	2.5	64.4	41000
	5		73300
	10		122000
	20		168000
	30		140000
	40		84400
Lithium Hrydoxide	1.25	64.4	78100
	2.5		142000
	5		240000
	7.5		300000
Lithium Iodide	5	64.4	29600
	10		57300
	20		109000
	25		135000
Lithium Sulfate	5	59	40000
	10		61000
Magnesium Chloride	5	64.4	68300
	10		113000
	20		140000
	30		106000
	34		76800
Magnesium Nitrare	5	64.4	43800

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Name	% by Wt.	Temp F	µS/cm
	17		11000
Magnesium Sulfate	5	59	26300
	10		41400
	15		48000
	25		41500
Maganese Chloride	5		52600
	10		84400
	15		106000
	20		113000
	25		109000
	28		102000
Mercuriic Bromide	0.223	64.4	16
	0.422		26
Mercuric Chloride	0.229	64.4	44
	1.013		114
	5.08		421
Mercury		32	16.6+9
Methyl Acetate		77	3.4**
Methyl Alcohol		64.4	.44**
Methyl Ethyl Ketone		77	.1**
Methyl Iodine		77	.02*
Methyl Nitrate		77	4.5**
Methyl Thiocyanate		77	1.5**
Molasses		50	300
		122	5000
Maphthalene		179.6	.0004*
Nitric Acid	6.2	64.4	312000
	12.4		542000
	24.8		768000
	31		782000
	37.2		755000
	49.6		634000
	62		490000
Nitrobenzene		32	.0005*
Nitromethane		64.4	.6**
O or M-Nitrotoluene		77	.2**
Nonane		77	.017*
Oleic Acid		59	.0002*
Oleum	20	77	500
Oxalia Acid		64.4	50800
Oxygen			78300
Parafin Wax		150.8	0*
Paint, Enamel		77	0*
Peanut Butter		199.4	0*
Pentane		67.1	0*
Petroleum			0*
Phenetole		77	.017*
Phenol		77	.017*
Phenyl Isothiocyanate		77	1.4**

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Name	% by Wt.	Temp F	µS/cm
Phosphoric Acid	10	59	56600
	20		113000
	35		165000
	50		207000
	70		147000
	80		97900
	87		70900
Phosphorus		77	.4**
Phosphorus Oxychl.		77	2.2**
Pinene		73.4	.00002*
Piperidene		77	.2**
Polystryrene		129.2	1200
Potassium Acetate	4.67	59	34700
	9.33		62500
	28		126000
	46.67		112000
	65.33		47900
Potassium Bromide	5	59	46500
	10		92800
	20		191000
	30		292000
	36		351000
Potassium Carbonate	5	50	56100
	10		104000
	20		181000
	30		222000
	40		217000
	50		147000
Potassium Chloride	5	66.4	69000
	10		136000
	15		202000
	20		268000
	21		281000
Potassium Cyanide	3.25	59	52700
	6.5		103000
Potassium Floride	5	64.4	65200
	10		121000
	20		208000
	30		256000
	40		252000
Potassium Hydroxide	4.2	59	146000
	8.4		272000
	16.8		456000
	25.2		540000
	33.6		522000
	42		421000
Potassium Iodide	5	64.4	33800
	10		68000
	20		146000

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Name	% by Wt.	Temp F	µS/cm
	55		423000
Potassium Nitrate	5	64.6	45400
	10		83900
	15		119000
	20		151000
	22		163000
Potassium Oxalate	5	64.4	48800
	10		91500
Potassium Sulfate	5	64.4	45800
	10		86000
Potassium Sulfide	3.18	64.6	84500
	4.98		128000
	9.93		234000
	19.96		402000
	29.97		456000
	38.08		411000
	47.26		258000
Proionaldehyde		77	.85**
Propionic Acid	1	64.4	479
	5		9225
	10		1110
	20		1040
	30		818
	50		377
	70		85
	100		.07*
Propiontrile		77	.1*
M-Propyl Alcohol		64.4	.05*
		77	.02*
ISO-propyl Alcohol		77	3.5**
M-Propyl Bromide		77	.02*
Pryidine		64.4	.053*
Quinoline		77	.022*
RC cola syrup		77	600
Salicylaldehyde		77	.16**
Silver Nitrate	5	64.4	25600
	10		47600
	20		87200
	40		157000
	60		210000
Sodium Acetate	5	64.4	29500
	20		65100
	32		56900
Sodium Carbonate	5	64.6	45100
	15		83600
Sodium Chloride	5	64.4	67200
	10		121000
	15		164000
	20		1960-00

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Name	% by Wt.	Temp F	µS/cm
	26		215000
Sodium Hydroxide	1	64.4	46500
	10		309000
	20		328000
	50		82000
Sodium Iodide	5	64.4	29800
	10		58100
	20		114000
	40		211000
Sodium Nitrate	5	64.4	43600
	10		78200
	20		130000
	30		161000
Sodium Sulfate	5	64.4	40900
	10		68700
	15		88600
Sodium Sulfide	2	64.4	61200
	5		132000
	10		202000
	14		240000
	18		218000
Soybean Oil		220	0*
Starch		80.6	3000
Stearic Acid		176	0*
Strontium Chloride	5	64.4	48300
	10		88600
	22		158000
Strontium Nitrate	5	59	30900
	15		69000
	35		86100
Sugar Solution Dilute		86	585
Sugar Sol't Pure		50	3**
Sulfonyl Chloride		77	2**
Sulfur		239	.000001*
		266	.00005*
		824	.12**
Sulfur Dioxide		95	.015*
Sulfuric Acid	5	64.6	209000
	10		392000
Sulfuric Acid	50	64.4	541000
	80		111000
	99.4		8500
Titanium Dioxide		77	4000
Toluene			0*
O-Toluidine		77	<2**
P-Toluidine		212	.062*
Toothpaste		77	150
Trichloroacetic Acid		77	.003*
Trimethylamine		-28.3	.0002*

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Name	% by Wt.	Temp F	μS/cm
Urea		77	5000
Iso-Valeric Acid		176	0*
Vegetable Oil		77	0*
Vodka 100 proof		77	4**
Uranium Sulfate Ext.		100.4	3000
Water, NYC		77	72
Water, distilled			.04*
Xylene			0
Zinc Chloride	2.5	59	27600
	5		48300
	10		72700
	20		91200
	30		92600
	40		84500
	60		36900
Zinc Oxide		77	2000
Zinc Sulfate	5	64.4	19100
	10		32100
	15		41500
	25		48000
	30		44400

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