

PHYSICAL PROPERTIES OF COMMON INDUSTRIAL CHEMICALS

CHEMICAL	%	SG	μ IN CPS
	PERCENT CONCENTRATION	SPECIFIC GRAVITY	ABSOLUTE VISCOSITY
Acetic Acid	36	1.0	1.5
Acetone	100	0.8	0.3
Alcohol	100	0.8	1.2
Algaecide	25	1.2	100
Alum	48	1.3	12
Aluminum Chloride	32	1.3	50
Aluminum Sulfate	48	1.3	12
Amine	5	1.0	10
Ammonia	80	0.7	1.3
Ammonium Chloride	28	1.0	1.0
Ammonium Hydroxide	28	0.9	1.3
Ammonium Sulfate	40	1.2	1.7
Antifreeze	100	1.1	21
Benzene	100	0.9	0.6
Biocide	25	1.2	10
Bleach	5.25	1.1	1.1
Boiler Water Treatment	25	1.1	10
Bromine (from Tablets)	0.5	1.0	1.0
Calcium Carbonate	5	2.7	20
Calcium Chloride	40	1.4	9.0
Calcium Hydroxide	5	2.2	20
Calcium Hypochlorite	15	1.0	2.0
Carbonic Acid	25	1.2	1.9
Caustic Soda	50	1.5	36
Chlorine Dioxide	15	1.0	1.0
Chlorox (Bleach)	5.25	1.1	1.1
Citric Acid	50	1.3	40
Cooling Tower Treatment	25	1.1	10
Copper Sulfate	18	1.2	2.4
Corrosion Inhibitor	50	1.4	1.3
Creosote Oil	98	1.1	50
Defoamer	25	1.0	100
Deionized Water	100	1.2	1.0
Detergent	60	1.0	40
Diesel Fuel	100	0.8	4.0
Ethanol	100	0.8	1.2
Ethylene Glycol	100	1.1	21
Ferric Chloride	60	1.6	9.7
Ferric Sulfate	60	1.8	20
Ferrous Chloride	37	1.4	10
Ferrous Sulfate	20	1.3	20
Fertilizer	25	1.3	50
Fluosilicic Acid	34	1.2	6.5
Formaldehyde	37	1.1	0.4
Glycerol (Glycerin)	100	1.3	1500
Herbicide	40	1.1	100
Hydrochloric Acid	36	1.2	2.1
Hydrofluoric Acid	10	1.2	7.4
Hydrofluosilicic Acid	34	1.3	6.5
Hydrogen Peroxide	30	1.2	1.2
Hypochlorous Acid	12.5	1.1	0.4
Iodine (in Phosphoric Acid)	10	1.1	170
Isopropyl Alcohol	100	2.4	0.9
Kerosene	100	0.8	10
Lime Slurry	5	2.2	20

CHEMICAL	%	SG	μ IN CPS
	PERCENT CONCENTRATION	SPECIFIC GRAVITY	ABSOLUTE VISCOSITY
Magnesium Chloride	30	1.3	7.0
Magnesium Hydroxide	58	1.6	250
Magnesium Sulfate	26	1.3	8.0
Methanol	100	0.8	0.6
Mineral Oil	100	0.9	15
Muriatic Acid	18	1.1	2.0
Nitric Acid	67	1.4	1.6
Organo Phosphonate	25	1.1	20
Oxygen Scavenger	18	1.1	20
Peroxyacetic Acid (Peracetic)	40	1.2	1.0
Pesticides	0.5	1.2	10
Phosphonate	23	1.3	50
Phosphoric Acid	75	1.7	47
Poly Aluminum Chloride	40	1.3	100
Polymer (Under 250 CPS)	5	1.1	250
Polymer (Over 250 CPS)	40	1.1	2500
Polyphosphate	40	1.5	20
Potable Water Treatment	5	1.1	1.0
Potassium Bromide	40	1.4	1.0
Potassium Carbonate	50	1.5	4.0
Potassium Chloride	24	1.2	1.0
Potassium Hydroxide	52	1.5	7.9
Potassium Nitrate	24	1.2	1.0
Potassium Permanganate	7	2.7	1.0
Potassium Sulfate	10	1.1	1.1
Quaternary Amine	50	1.2	20
Quaternary Ammonium Salt	50	1.1	80
Scale Inhibitor	50	1.4	1.3
Silver Nitrate	5	1.9	1.4
Soap	20	1.0	10
Soda Ash	10	1.2	1.9
Sodium Bicarbonate	5	1.1	1.2
Sodium Bisulfate	67	2.1	2.8
Sodium Bisulfite	40	1.3	2.8
Sodium Bromide	40	1.4	1.4
Sodium Carbonate	10	1.1	1.9
Sodium Chloride	26	1.2	2.0
Sodium Chlorite	31	1.2	1.2
Sodium Fluoride	4	1.0	1.1
Sodium Hexametaphosphate	40	1.5	20
Sodium Hydroxide	50	1.5	36
Sodium Hypochlorite	12.5	1.2	1.2
Sodium Metabisulfite	40	1.4	2.8
Sodium Molybdate	40	1.2	10
Sodium Nitrate	45	1.4	2.2
Sodium Peroxide	10	2.8	1.5
Sodium Silicate	38	1.4	100
Sodium Sulfate	24	1.2	2.5
Sodium Sulfite	18	1.2	2.5
Sodium Thiosulfate	40	1.4	5.8
Steam Line Treatment	5	1.0	10
Sulfuric Acid	98	1.8	25
Urea	100	1.3	1.8
Vegetable Oil	100	0.9	1.9
Vinegar	5	1.0	1.0
Water (Distilled)	100	1.0	1.2
Zinc Chloride	65	1.8	14
Zinc Nitrate	50	1.6	3.0
Zinc Phosphate	30	1.1	10