



CHEMICAL	% concn	°F	temper	CARBON STEEL	COPPER	RED BRASS	MUNTZ	ADMIRALTY	COPPER SILICON	90-10 CUPRO-NICKEL	70-30 CUPRO NICKEL	ALUMINUM	304 STAINLESS STEEL	316 STAINLESS STEEL	NICKEL	MONEL	INCONEL	HASTELLOY	TITANIUM	ZINCONIUM	TANTALUM
Acetaldehyde	100	70	A	E	E	E	E	E	E	E	E	A	A	A	A	A	A	A	B	.	A
Acetic Acid (aerated)	100	70	D	D	D	D	D	D	D	C	C	B	A	A	D	A	B	A	A	.	A
Acetic Anhydride	100	70	D	B	C	D	C	B	B	B	B	A	B	B	B	B	B	A	A	A	B
Acetone	100	70	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	B	A	.	A
Acetylene	100	70	A	E	E	E	E	E	E	E	E	A	A	A	A	A	A	A	A	.	A
Aluminum Chloride	10	70	D	D	D	D	D	D	D	D	D	D	D	D	C	B	D	A	A	A	A
Aluminum Hydroxide	10	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	.	.	B
Ammonia (Anhydrous)	100	70	A	A	A	A	A	A	A	A	A	A	A	A	B	A	B	B	A	.	A
Ammonium Chloride	10	70	D	D	D	D	D	D	D	D	D	C	B	B	B	B	B	B	A	A	A
Ammonium Sulfate	10	70	C	C	C	C	C	C	C	C	C	D	C	C	B	A	B	B	A	A	A
Ammonium Sulfite	10	70	D	B	B	D	B	B	B	B	B	B	C	C	D	D	D	.	A	.	A
Amyl Acetate	100	70	B	A	A	C	A	B	A	A	A	A	A	A	A	A	A	B	A	.	A
Aniline	100	70	A	D	D	D	D	D	D	D	D	D	A	A	B	B	B	B	A	.	A
Aroclor	100	70	B	A	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	.	A
Barium Chloride	30	70	B	B	B	D	C	B	B	B	B	B	B	B	B	B	B	B	A	A	A
Benzaldehyde	100	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	.	A
Benzene	100	70	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	A	.	A
Benzoic Acid	10	70	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	.	A
Boric Acid	10	70	D	B	B	B	B	B	B	B	B	C	A	A	B	B	B	A	A	.	A
Butadiene	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	.	A
Butane	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	.	A
Butanol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	.	A
Butyl Acetate	100	70	A	B	B	B	B	B	B	B	B	A	B	B	A	B	A	B	A	.	A
Butyl Chloride	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	.	A
Calcium Chloride	20	70	B	B	B	D	C	B	B	B	B	B	C	B	A	A	A	B	A	A	A
Calcium Hydroxide	10	70	B	B	B	B	B	B	B	B	B	D	B	B	B	B	B	B	A	.	A
Carbon Dioxide (Wet)	100	70	C	C	C	C	C	C	C	C	C	B	A	A	A	A	A	A	A	.	A
Carbon Tetrachloride (dry)	100	70	B	B	B	B	B	B	B	B	B	B	B	B	A	A	A	B	A	A	A
Carbonic Acid	100	70	C	C	C	C	C	C	C	C	C	B	B	B	B	C	A	A	A	.	A
Chlorine Gas (dry)	100	70	B	B	B	B	B	B	B	B	B	C	B	B	B	B	A	B	I	A	A
Chloroformj (Dry)	100	70	B	B	B	B	B	B	B	B	B	B	B	B	A	A	B	B	A	A	A
Chromic Acid	20	70	D	D	D	D	D	D	D	D	D	D	C	B	D	D	B	B	B	A	A
Citric Acid	20	70	D	C	C	D	C	C	C	C	C	A	C	B	B	B	A	C	A	A	A
Creosote	100	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	.	A
Dibutylphthalate	100	70	A	A	A	A	A	A	A	A	A	B	B	B	B	B	B	B	A	.	A
Dichlorobenzene	0,1	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	.	A
Dichlorodifluoromethane (F-12)	100	70	A	A	A	A	A	A	A	A	A	A	A	B	B	B	B	A	A	.	A
Diethanolamine	100	85	A	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	.	A
Diethyl Ether	100	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	.	A
Diethylene Glycol	100	70	A	B	B	B	B	B	B	B	B	B	A	A	B	B	B	B	A	.	A
Diphenyl	100	160	B	B	B	B	B	B	B	B	B	A	B	B	B	B	B	B	A	.	A
Diphenyl Oxide	100	85	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	.	A
Ethane	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	.	A
Ethanolamine	100	70	B	B	B	B	B	B	B	B	B	B	A	B	B	B	B	B	B	.	A
Ether	100	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	.	A
Ethyl Acetate (Dry)	100	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	.	A
Ethyl Alcohol)	100	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	A	.	A
Ethyl Ether	100	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	.	A
Ethylene	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	.	A
Ethylene Glycol	100	70	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	.	A
Fatty Acids	100	400	D	D	D	D	D	D	D	D	D	A	D	A	B	C	B	A	B	.	A
Ferric Chloride	20	70	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	B	A	D	A
Ferric Sulfate	10	70	D	D	D	D	D	D	D	D	D	D	B	B	D	D	D	A	A	.	A



Ferrous Sulfate	10	70 D	B	B	D	B	B	B	B	B	B	B	D	D	D	B	A	.	A
Formaldehyde	50	200 D	B	B	D	B	B	B	B	C	B	B	B	B	B	B	B	.	A
Furfural	100	70 B	B	B	D	B	B	B	B	B	B	B	B	B	B	B	A	.	A
Glycerine	100	70 A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	.	A
Hexane	100	70 A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	.	A
Hydrochloric Acid (Aerated)	38	70 D	D	D	D	D		D	D	D	D	D	D	D	D	B	D	D	A
Hydrofluoric Acid (Aerated)	40	70 D	C	D	D	D		D	C	D	D	D	D	D	C	D	A	D	D
Iodine	20	70 D	D	D	D	D		D	D	D	D	D	D	D	D	D	B	D	.
Isopropanol	100	70 A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	A	.
Lactic Acid	50	70 D	B	B	D	C	B	B	B	D	B		A	B	C	A	A	A	A
Linseed Oil	100	70 A	B	B	B	B	B	B	B	B	A		A	B	B	B	B	A	.
Lithium Chloride	30	200 B	B	B	D	B	B	B	B	D	B		A	A	A	A	A	.	A
Lithium Hydroxide	10	200 B	B	B	D	B	B	B	B	D	B		B	B	B	B	B	.	A
Magnesium Chloride	30	70 B	B	B	D	C	B	B	B	C	B		B	A	B	A	A	A	A
Magnesium Hydroxide	10	70 B	B	B	B	B	B	B	B	D	B		B	B	B	B	B	A	B
Magnesium Sulfate	30	200 B	B	B	B	B	B	B	B	C	A		A	B	B	B	A	A	A
Methane	100	70 A	A	A	A	A	A	A	A	A	A		A	A	A	A	A	A	A
Methallylamine	100	70 C	B	B	B	B	B	B	B	B	B		B	C	B	B	B	.	A
Methyl Alcohol	100	70 B	B	B	B	B	B	B	B	B	B		B	A	B	A	A	A	A
Methyl Chloride (dry)	100	70 A	A	A	A	A	A	A	A	E	A		B	B	B	B	B	A	A
Methylene Chloride (Dry)	100	70 B	B	B	B	B	B	B	B	B	B		B	B	B	B	B	.	A
Monochlorobenzene (Dry)	100	70 B	B	B	B	B	B	B	B	A	B		B	A	A	A	B	B	A
Monochlorodifluoro Methane	100	70 A	A	A	A	A	A	A	A	A	A		A	A	A	A	A	.	A
Monoethanolamine	100	200 B	B	B	B	B	B	B	B	B	B		B	B	B	.	.	.	A
Naphtha	100	70 A	B	B	B	B	B	B	B	A	B		B	B	B	B	B	.	A
Naphthalene	100	70 A	B	B	B	B	B	B	B	B	A		A	A	A	B	B	.	A
Nikel Chloride	20	70 D	B	B	D	B	B	B	B	D	B		B	D	B	D	A	A	A
Nickel Sulfate	10	200 D	B	B	D	B	B	B	B	D	B		B	B	B	B	B	A	A
Nitric Acid	50	200 D	D	D	D	D	D	D	D	D	B		B	D	D	D	D	A	B
Nitrous Acid	10	70 D	D	D	D	D	D	D	D	D	B		B	D	D	D	.	.	A
Oleic Acid	100	70 B	B	B	C	B	B	B	B	B	B		B	A	A	A	B	B	B
Oxalic Acid	10	70 D	B	B	C	B	B	B	B	C	B		B	C	B	B	B	D	B
Perchloric Acid (Dry)	100	70 D	D	D	D	D	D	D	D	B	B		B	D	D	D	.	.	A
Perchloroethylene	100	70 A	B	B	C	B	B	B	B	B	B		B	A	A	A	.	A	A
Phenol	10	120 B	B	B	B	B	B	B	B	A	B		B	A	A	B	A	.	A
Phosphoric Acid (Aerated)	50	200 D	D	D	D	D	D	D	D	D	B		B	D	D	B	A	C	D
Phthalic Anhydride	100	300 B	B	B	B	B	B	B	B	B	B		B	B	B	B	B	.	A
Potassium Bicarbonate	30	200 B	B	B	C	B	B	B	B	A	D		B	B	B	B	B	A	.
Potassium Carbonate	40	200 B	B	B	B	B	B	B	B	D	B		B	B	B	B	B	A	A
Propylene Glycol	100	70 B	B	B	B	B	B	B	B	B	B		B	B	B	B	B	A	A
Pyridine	100	70 A	B	B	B	B	B	B	B	B	B		B	B	B	B	B	.	A
Silver Chloride	10	70 D	D	D	D	D	D	D	D	D	D		D	D	C	B	B	.	A
Silver Nitrate	10	70 D	D	D	D	D	D	D	D	D	B		B	D	D	B	B	A	A
Sodium Acetate	10	70 D	B	B	B	B	B	B	B	C	B		B	B	B	B	B	.	A
Sodium Hydroxide	50	300 D	D	D	D	D	D	D	D	D	D		D	A	B	B	B	B	D
Sodium Nitrate	40	70 B	B	B	C	B	B	B	B	B	A		A	B	B	A	B	A	A
Sodium Sulfate	10	200 B	B	B	B	B	B	B	B	A	B		A	B	B	B	B	A	A
Sulfur Dioxide (dry)	100	300 B	B	B	C	B	B	B	B	B	B		B	B	B	B	B	A	A
Sulfuric Acid (Aerated)	60	200 D	D	D	D	D	D	D	D	D	D		D	D	D	D	B	D	A
Toluene	100	200 A	A	A	A	A	A	A	A	A	A		A	A	A	A	A	A	A
Trichloroethylene (dry)	100	150 B	B	B	C	B	B	B	B	B	B		B	A	A	B	A	A	A
Turpentine	100	70 B	B	B	B	B	B	B	B	B	B		B	B	B	B	B	.	A
Vinyl Chloride (Dry)	100	70 A	B	B	D	C	B	B	B	A	B		A	A	A	A	A	.	A
Water (Fresh)	100	70 C	A	A	A	A	A	A	A	B	A		A	A	A	A	A	A	A
Water (Sea)	100	70 C	B	B	C	A	B	A	A	B	A		A	B	A	B	B	A	A
Xylene	100	200 B	A	A	A	A	A	A	A	B	A		A	A	A	A	A	A	A
Zinc Chloride	10	70 D	D	D	D	D	D	D	D	C	B		B	B	A	D	B	A	A
Zinc Sulfate	20	70 D	B	B	D	B	B	B	B	D	B		A	B	B	A	B	A	.