

TIM'S CHEMICAL RESISTANCE CHART

Chemical Name																1=Good 2=OK 3=Bad
	PVC	Acrylic	Kynar (PVDF)	Polypropylene	Stainless Steel	Hastelloy C (316)	Ceramic	Polyethylene	Vinyl	Polypropel	Teflon (PTFE)	Viton	Hypalon	EPDM	Buna N	
Acetic Acid	1	2	1	1	1	1	1	1	2	3	1	2	1	1	2	
Acetone	3	3	2	1	1	1	1	3	3	3	1	3	2	1	3	
Alcohol	1	3	1	1	1	1	1	3	3	1	1	3	1	1	2	
Algaecide	1	3	1	1	2	1	1	1	1	1	1	1	3	3	3	
Alum	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	
Aluminum Chloride	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	
Aluminum Sulfate	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	
Amine	3	3	2	1	1	1	1	3	3	2	1	3	3	2	3	
Ammonia	1	3	2	1	1	1	1	1	1	1	1	3	3	1	2	
Ammonium Chloride	1	3	1	1	2	3	1	1	1	2	1	1	1	1	2	
Ammonium Hydroxide	1	1	1	1	1	1	1	1	3	1	1	3	1	1	3	
Ammonium Sulfate	1	1	1	1	2	1	1	1	1	3	1	2	1	1	1	
Antifreeze	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	
Benzene	3	3	1	3	1	1	1	3	3	3	1	1	3	3	3	
Biocide	1	3	1	1	2	1	1	1	1	1	1	1	3	3	3	
Bleach	1	1	1	2	3	1	1	1	1	1	1	1	1	2	2	
Boiler Water Treatment	1	1	1	1	2	1	1	1	2	1	1	2	1	1	1	
Bromine (from Tablets)	3	3	1	3	3	1	1	3	3	2	1	1	1	3	3	
Calcium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Calcium Chloride	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	
Calcium Hydroxide	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	
Calcium Hypochlorite	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	
Carbonic Acid	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	
Caustic Soda	1	1	1	1	2	1	1	1	2	1	1	3	1	1	1	
Chlorine Dioxide	2	1	1	3	3	1	1	1	1	1	1	1	1	2	3	
Chlorox (Bleach)	1	1	1	2	3	1	1	1	1	1	1	1	1	2	3	
Citric Acid	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Cooling Tower Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Copper Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Corrosion Inhibitor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Creosote Oil	3	3	3	3	1	1	1	3	3	2	1	2	3	3	3	
Defoamer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Deionized Water	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Detergent	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	
Diesel Fuel	2	1	1	1	1	1	1	2	1	1	1	1	1	3	1	

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Ethanol	1	1	1	1	2	1	1	1	1	1	2	1	1	2	
Ethylene Glycol	1	1	1	1	2	2	1	1	1	1	1	1	1	1	
Ferric Chloride	1	1	1	1	3	2	1	1	1	1	1	1	1	1	
Ferric Sulfate	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Ferrous Chloride	1	1	1	1	3	2	1	1	1	1	1	1	1	1	
Ferrous Sulfate	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Fertilizer	1	3	1	1	2	1	1	1	1	1	1	3	3	3	
Fluosilicic Acid	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Formaldehyde	1	1	1	1	1	1	1	1	3	1	3	2	2	3	
Glycerol (Glycerin)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Herbicide	1	3	1	1	2	1	1	1	1	1	1	3	3	3	
Hydrochloric Acid	2	2	1	1	3	2	2	1	2	1	1	3	2	2	
Hydrofluoric Acid	2	3	1	1	3	2	3	1	3	1	1	2	2	2	3
Hydrofluosilicic Acid	1	1	1	1	2	2	3	1	1	1	1	2	1	2	
Hydrogen Peroxide	1	3	1	2	1	1	1	2	3	2	1	1	2	2	3
Hypochlorous Acid	1	1	1	1	3	1	1	1	1	1	1	3	2	2	
Iodine (in Phosphoric Acid)	2	1	1	1	3	2	1	2	2	1	1	1	2	2	3
Isopropyl Alcohol	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2
Kerosene	1	1	1	2	1	2	1	2	1	2	1	1	3	3	1
Lime Slurry	1	1	1	1	1	1	1	1	1	1	1	1	3	1	
Magnesium Chloride	1	1	1	1	3	1	1	1	1	1	1	1	1	1	
Magnesium Hydroxide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Magnesium Sulfate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Methanol	1	3	1	1	1	1	1	1	1	1	2	1	1	1	
Mineral Oil	1	1	1	2	1	1	1	2	1	1	1	1	1	3	1
Muriatic Acid	2	2	1	1	3	2	2	1	2	1	1	1	3	2	2
Nitric Acid	1	3	1	3	2	2	1	3	2	2	1	1	3	3	3
Organo Phosphonate	1	3	1	1	3	1	1	1	1	1	1	1	2	2	3
Oxygen Scavenger	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Peroxyacetic Acid (Peracetic)	1	3	1	2	1	1	1	2	3	2	1	1	2	2	3
Pesticide	1	3	1	1	2	1	1	1	1	1	1	1	3	3	3
Phosphonate	1	3	1	1	3	1	1	1	1	1	1	1	2	2	3
Phosphoric Acid	1	1	1	1	3	1	1	2	1	1	1	1	2	2	3
Poly Aluminum Chloride	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Polymer (Under 250 CPS)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Polymer (Over 250 CPS)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Polyphosphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Potable Water Treatment	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Bromide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Potassium Carbonate	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Potassium Chloride	1	1	1	1	2	1	1	1	1	1	1	1	1	1	

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Potassium Hydroxide	1	1	1	1	1	1	1	1	1	1	2	1	1	2	
Potassium Nitrate	1	1	1	1	2	2	1	1	1	1	1	1	1	1	
Potassium Permanganate	1	1	1	1	2	1	1	1	1	1	1	1	1	2	
Potassium Sulfate	1	1	1	1	1	2	1	1	1	1	1	1	1	1	
Quaternary Amine	1	3	2	1	1	1	1	2	2	2	1	3	3	3	3
Quaternary Ammonium Salt	1	2	1	1	1	1	1	1	1	1	3	1	1	1	
Scale Inhibitor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Silver Nitrate	1	1	1	1	2	1	1	1	1	1	1	1	1	2	
Soap	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Soda Ash	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bicarbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Bisulfate	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Sodium Bisulfite	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Sodium Bromide	1	1	1	1	2	1	1	1	1	1	1	2	1	2	
Sodium Carbonate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Chloride	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Sodium Chlorite	3	3	1	2	3	1	1	3	3	1	1	3	1	3	3
Sodium Fluoride	1	1	1	1	3	1	3	1	1	1	1	2	1	1	
Sodium Hexametaphosphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Hydroxide	1	1	1	1	2	1	1	1	2	1	1	3	1	1	1
Sodium Hypochlorite	1	1	1	2	3	1	1	1	1	1	1	1	2	3	
Sodium Metabisulfite	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Sodium Molybdate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Nitrate	1	1	1	1	1	1	1	1	1	3	1	2	1	1	1
Sodium Peroxide	1	1	1	1	1	1	1	1	1	2	1	1	2	1	2
Sodium Silicate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sodium Sulfate	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
Sodium Sulfite	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
Sodium Thiosulfate	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2
Steam Line Treatment	3	3	2	1	1	1	1	3	3	2	1	3	3	3	3
Sulfuric Acid	1	3	1	2	3	2	1	2	3	1	1	1	2	2	2
Urea	3		1	1	2	2	1	1	2	1	1	1		1	2
Vegetable Oil	1	1	1	1	1	1	1	1	1	1	1	3	2	1	
Vinegar	2	1	2	1	2	2	1	1	1	1	1	1	1	1	2
Water (Distilled Water)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Chloride	1	1	1	1	2	1	1	1	1	1	1	1	1	1	
Zinc Nitrate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Zinc Phosphate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

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