

Densilite Chemical Resistance Chart

| Chemical Name | Rating | Chemical Name | Rating | Chemical Name | Rating |
|------------------------|--------|-----------------------|--------|--------------------------|--------|
| Acetate Solvents Pure | 2 | Antimony Trichloride | 1 | Chloral Hydrate | 1 |
| Acetaldehyde | 2 | Aqua Regia | 2 | Chloric Acid | NR |
| Acetamide | 1 | Arsenic Acid | 1 | Chlorinated Water | 2 |
| Acetic Solvents Crude | 2 | Barium Carbonate | 1 | Chlorine Dry | 3 |
| Acetic Solvents Pure | 2 | Barium Chloride | 1 | Chlorine Wet | NR |
| Acetic Acid 10% | 1 | Barium Hydroxide | 1 | Chloroacetic Acid | 3 |
| Acetic Acid 20% | 1 | Barium Sulfate | 2 | Chlorobenzene | 3 |
| Acetic Acid 50% | 1 | Barium Sulfide | 1 | Chloroform | NR |
| Acetic Acid 80% | 1 | Beer | 1 | Chlorosulfonic Acid | 3 |
| Acetic Acid Glacial | 1 | Beet Sugar Liquors | 1 | Chrome Alum | 1 |
| Acetic Anhydride | 2 | Benzaldehyde | 1 | Chromic Acid 10% | 1 |
| Acetone | 1 | Benzene | 3 | Chromic Acid 30% | 1 |
| Acetophenone | 2 | Benzene Sulfonic Acid | 2 | Chromic Acid 40% | * |
| Acetyl Chloride | * | Benzoic Acid | 1 | Chromic Acid 50% | 1 |
| Acetylene | 1 | Benzyl Alcohol | 1 | Citric Acid | 1 |
| Acrylonitrile | 1 | Benzyl Chloride | 1 | Coconut Oil | 1 |
| Adipic Acid | 1 | Bismuth Carbonate | 1 | Copper Carbonate | 1 |
| Alcohol Allyl | 2 | Borax | 1 | Copper Chloride | 1 |
| Alcohol Amyl | 1 | Boric Acid | 1 | Copper Cyanide | 1 |
| Alcohol Butyl | 1 | Bromine Liquid | NR | Copper Fluoride | 1 |
| Alcohol Ethyl | 1 | Bromine Water | NR | Copper Nitrate | 1 |
| Alcohol Methyl | 1 | Butadiene | NR | Copper Sulfate | 1 |
| Alcohol Propyl | 1 | Butane | 1 | Cottonseed Oil | 1 |
| Allyl Chloride | 2 | Butyl Acetate | 2 | Cresol | NR |
| Alum | 1 | Butyl Alcohol | 1 | Cresylic Acid | NR |
| Alum Ammonium | 1 | Butylene | 2 | Croton Aldehyde | 1 |
| Alum Chrome | 1 | Butyl Phenol | 2 | Crude Oil | 1 |
| Alum Potassium | 1 | Butyne Diol | 1 | Cyclohexane | 3 |
| Aluminum Chloride | 1 | Butyric Acid | 1 | Cyclohexanol | 2 |
| Aluminum Fluoride | 1 | Butyl Amine | 2 | Cyclohexanone | NR |
| Aluminum Hydroxide | 1 | Butyl Ether | NR | Detergent | 1 |
| Aluminum Nitrate | 1 | Butyl Chloride | NR | Dextrin | 1 |
| Aluminum Sulfate | 1 | Butyl Phthalate | 2 | Dextrose | 1 |
| Ammonia Anhydrous | 1 | Calcium Bisulfide | 1 | Diacetone Alcohol | 1 |
| Ammonia Aqueous | 1 | Calcium Bisulfite | 1 | Diazo Salts | 1 |
| Ammonium Bifluoride | 1 | Calcium Carbonate | 1 | Dibutyl Phthalate | 1 |
| Ammonium Carbonate | 1 | Calcium Chlorate | 1 | Dichlorobenzene | 3 |
| Ammonium Chloride | 1 | Calcium Chloride | 1 | Dichlorodifluoro Methane | 1 |
| Ammonium Fluoride 10% | 1 | Calcium Hydroxide | 1 | Dichlorethylene | 1 |
| Ammonium Fluoride 25% | 1 | Calcium Hypochlorite | 1 | Dichloroethane | 1 |
| Ammonium Hydroxide | 1 | Calcium Nitrate | 1 | Diesel Fuel | 1 |
| Ammonium Metaphosphate | 1 | Calcium Sulfate | 1 | Diethylamine | 1 |
| Ammonium Nitrate | 1 | Carbolic Acid | 1 | Diethylene Glycol | 1 |
| Ammonium Persulfate | 1 | Carbon Dioxide | 1 | Diethyl Cellosolve | NR |
| Ammonium Phosphate | 1 | Carbon Disulfide | NR | Diethyl Ether | 1 |
| Ammonium Sulfate | 1 | Carbon Monoxide | 1 | Diglycolic Acid | 1 |
| Ammonium Sulfide | 1 | Carbon Tetrachloride | 2 | Dimethylamine | 1 |
| Amyl Acetate | NR | Castor Oil | 1 | Dimethyl Formamide | 1 |
| Amyl Chloride | NR | Caustic Potash | 1 | Dimethyl Sulfoxide | 1 |
| Aniline | 1 | Caustic Soda | 1 | Diocetyl Phthalate | NR |
| Aniline Hydrochloride | NR | Cellosolves | 2 | Dioxane 1,4 | 1 |



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| Dipropylene Glycol | 1 | Green Liquor | 1 | Magnesium Carbonate | 1 |
| Distilled Water | 1 | Helium | 1 | Magnesium Chloride | 1 |
| Dizynibenzene | NR | Heptane | 2 | Magnesium Hydroxide | 1 |
| Epichlorohydrin | 1 | Hexamine | * | Magnesium Nitrate | 1 |
| Ethane | 3 | Hexane | 2 | Magnesium Sulfate | 1 |
| Ethanolamine | 1 | Hexanol Tertiary | 1 | Maleic Acid | 1 |
| Ethers | NR | Hydrazine | 3 | Malic Acid | 1 |
| Ethyl Acetate | 1 | Hydraulic Fluid (petroleum) | NR | Manganese Chloride | 1 |
| Ethyl Acetoacetate | NR | Hydrobromic Acid (37%) | 1 | Manganese Sulfate | 2 |
| Ethyl Acrylate | NR | Hydrochloric Acid (20%) | 1 | Mercuric Chloride | 1 |
| Ethyl Alcohol | 1 | Hydrochloric Acid (50%) | 1 | Mercuric Cyanide | 1 |
| Ethyl Benzene | NR | Hydrocyanic Acid | 1 | Mercurous Nitrate | 1 |
| Ethyl Benzoate | 2 | Hydrofluoric Acid (>40%) | 1 | Mercury | 2 |
| Ethyl Butyrate | 2 | Hydrofluosilicic Acid | 1 | Methane | 1 |
| Ethyl Chloride | NR | Hydrofluorisilicic Acid | 1 | Methanol | 1 |
| Ethyl Ether | 3 | Hydrogen Chloride | 1 | Methyl Acetate | 1 |
| Ethyl Sulfate | * | Hydrogen Cyanide | 1 | Methyl Acetone | * |
| Ethylene Bromide | NR | Hydrogen Sulfide (wet or dry) | 1 | Methyl Amine | 1 |
| Ethylene Chloride | 3 | Hydroquinone | 1 | Methyl Bromide | 2 |
| Ethylene Chlorohydrine | NR | Hydroxylamine Sulfate | 1 | Methyl Cellosolve | 2 |
| Ethylene Diamine | 1 | Hypo Sodium Thiosulfate | 1 | Methyl Chloroform | 2 |
| Ethylene Dibromide | 2 | Hypochlorous Acid | 1 | Methyl Chloride Wet | 3 |
| Ethylene Dichloride | 2 | Iodine | 1 | Methyl Chloride Dry | NR |
| Ethylene Glycol | 1 | Isobutyl Alcohol | 1 | Methyl Ethyl Keytone | NR |
| Ethylene Oxide | 2 | Isooctane | 1 | Methyl Isobutyl Keytone | NR |
| Fatty Acids | 1 | Isopropyl Acetate | 2 | Methyl Salicylate | 1 |
| Ferric Chloride (concentrate) | 1 | Isopropyl Alcohol | 1 | Methyl Sulfate | 1 |
| Ferric Nitrate | 1 | Isopropyl Ether | 2 | Methyl Sulfuric Acid | 1 |
| Ferric Sulfate | 1 | Jet Fuel (JP3,4,5) | 1 | Methylene Chloride | 2 |
| Ferrous Chloride | 1 | Kerosene | 1 | Milk | 1 |
| Ferrous Sulfate | 1 | Keytones | 2 | Mineral Oil | 2 |
| Fish Solubles | 1 | Lactic Acid | 1 | Mixed Acids | NR |
| Fluoboric Acid | 1 | Lacquer Solvents | NR | Molasses | 1 |
| Formaldehyde | 1 | LPG (Propane) | 1 | Morpholine | 2 |
| Formic Acid | 1 | Lard | 2 | Monochloroacetic Acid | 1 |
| Freon Dry | NR | Lauric Acid | 1 | Monochlorobenzene | NR |
| Freon Wet | 1 | Lauryl Chloride | 1 | Monochlorodifluoromethane | 1 |
| Fructose | 1 | Lead Acetate | 1 | Monoethanolamine | 1 |
| Fruit Juice | 1 | Lead Molten | NR | Motor Oil | 3 |
| Furfurl | NR | Lead Nitrate | 1 | Mustard | 1 |
| Gallic Acid | 1 | Lead Sulfamate | 1 | Naptha | 3 |
| Gas Manufactured | NR | Lime | 1 | Naphthalene | 2 |
| Gas Natural | * | Lime Sulfur | 1 | Nickel Chloride | 1 |
| Gasoline (Leaded) | 3 | Lineoleic Acid | 2 | Nickel Nitrate | 1 |
| Gasoline (Unleaded) | 3 | Linseed Oil | 1 | Nickel Sulfate | 1 |
| Gelatin | 1 | Lithium Chloride | 1 | Nitric Acid (100%) | NR |
| Glucose | 1 | Lithium Hydroxide | 1 | Nitric Acid (70%) | NR |
| Glue | 1 | Lubricating Oil | 1 | Nitric Acid (50%) | 2 |
| Glycerine | 1 | Lye | 1 | Nitric Acid (30%) | 1 |
| Glycol | 1 | Machine Oil | 1 | Nitric Acid (10%) | 1 |
| Glycolic Acid | 1 | Magnesium Bisulfate | 1 | Nitrobenzene | 1 |



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| Nitrous Oxide | 1 | Potassium Hydroxide | 1 | Sodium Perborate | 1 |
| Ocenol | NR | Potassium Hypochlorite | n | Sodium Peroxide | 2 |
| Oils & Fat | 1 | Potassium Iodide | 1 | Sodium Phosphates | 1 |
| Oils, Vegetables | 1 | Potassium Nitrate (10%) | 1 | Sodium Silicate | 1 |
| Oleic Acid | 2 | Potassium Permanganate | 1 | Sodium Sulfate | 1 |
| Oxalic Acid | 1 | Potassium Persulfate | 1 | Sodium Sulfide | 1 |
| Oxygen | 1 | Potassium Sulfate | 1 | Sodium Sulfite (90%) | 1 |
| Ozone | 3 | Potassium Sulfide | 1 | Sodium Thiosulfate | 1 |
| Palmitic Acid | 2 | Potassium Sulfite | 1 | Sodium Tetraborate | 1 |
| Paraffin | 1 | Propane | 2 | Soy Bean Oil | 1 |
| Pentane | 2 | Propyl Alcohol | 1 | Stannic Chloride | 1 |
| Perchloroethylene | NR | Propylene Glycol | 1 | Stannous Chloride | 1 |
| Perchloric Acid (10%) | NR | Propylene Oxide | 1 | Starch | 1 |
| Petroleum | 2 | Pyridine | 1 | Stearic Acid | 1 |
| Petroleum Ether | 1 | Pyrogallic Acid | 1 | Stoddard's Solution | 1 |
| Phenol | 1 | Pyroligneous Acid | 1 | Styrene | * |
| Phenol Sulfonic Acid | * | Resorcinol | 1 | Sugar Juice | 1 |
| Phenylhydrazine | * | Rosin | 1 | Sulfate Liquor | 1 |
| Phosphoric Acid (10%) | 1 | Salicylic Acid | 1 | Sulfainol | * |
| Phosphoric Acid (25%) | 1 | Salicylaldehyde | 1 | Sulfur | 1 |
| Phosphoric Acid (50-100%) | 1 | Salt Brine | 1 | Sulfur (molten) | NR |
| Phosphorus | 2 | Sea Water | 1 | Sulfur Chloride | NR |
| Phosphorus Trichloride | NR | Sewage | 1 | Sulfur Dioxide Gas (wet) | 1 |
| Phosphorus Pentachloride | 1 | Silicon Oil | 1 | Sulfur Dioxide Gas (dry) | 1 |
| Photographic Solutions | 1 | Silver Chloride | 1 | Sulfur Trioxide | NR |
| Phthalic Acid | 2 | Silver Cyanide | 1 | Sulfuric Acid (10%) | 1 |
| Picric Acid | * | Silver Nitrate | 1 | Sulfuric Acid (30%) | 1 |
| Plating Solutions Brass | 1 | Soap Solutions | 1 | Sulfuric Acid (60%) | 1 |
| Plating Solutions Cadmium | 1 | Sodium Acetate (60%) | 1 | Sulfuric Acid (80%) | 1 |
| Plating Solutions Chrome | 1 | Sodium Acid Sulfate | 1 | Sulfuric Acid (100%) | 1 |
| Plating Solutions Copper | 1 | Sodium Benzoate (10%) | 1 | Sulfurous Acid (10%) | 1 |
| Plating Solutions Gold | 1 | Sodium Bicarbonate | 1 | Tall Oil | 1 |
| Plating Solutions Lead | 1 | Sodium Bichromate | 1 | Tannic Acid | 1 |
| Plating Solutions Nickel | 1 | Sodium Bisulfate | 1 | Tanning Liquor | 1 |
| Plating Solutions Silver | 1 | Sodium Bisulfite | 1 | Taritar Oil | 1 |
| Plating Solutions Tin | 1 | Sodium Borate | 1 | Tartaric Acid (10%) | 1 |
| Plating Solutions Zinc | 1 | Sodium Bromide | 1 | Tetrachloroacetic Acid | * |
| Potassium Acetate (50%) | 1 | Sodium Carbonate | 1 | Tetrachloroethane | NR |
| Potassium Aluminum Sulfate | 1 | Sodium Chlorate | 1 | Tetrachloroethylene | NR |
| Potassium Bicarbonate (60%) | 1 | Sodium Chromate | 1 | Tetraethyl Lead | 2 |
| Potassium Bichromate (5%) | 1 | Sodium Cyanide | 1 | Tetrahydrofuran | 3 |
| Potassium Bromide (10%) | 1 | Sodium Dichromate | 1 | Tetrahydronaphthalene | 3 |
| Potassium Carbonate | 1 | Sodium Ferricyanide | 1 | Tetraphosphoric Acid | * |
| Potassium Chlorate | 1 | Sodium Ferrocyanide | 1 | Thionyl Chloride | NR |
| Potassium Chloride | 1 | Sodium Fluoride | 1 | Tin Tetrachloride | 1 |
| Potassium Chromate | 1 | Sodium Hydroxide | 2 | Titanium Tetrachloride | NR |
| Potassium Cyanide | 1 | Sodium Hypochlorite | 2 | Toluene | NR |
| Potassium Dichromate (5%) | 1 | Sodium Hyposulfite | * | Tomato Juice | 3 |
| Potassium Ferricyanide | 1 | Sodium Metaphosphate | 1 | Tributyl Citrate | 2 |
| Potassium Ferrocyanide | 1 | Sodium Nitrate | 1 | Tributyl Phosphate | 2 |
| Potassium Hydrate | * | Sodium Nitrite | 1 | Transformer Oil | 1 |



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| Trichloroacetic Acid | 2 | Turpentine | 2 | Water, Deionized | 1 |
| Trichloroethane | NR | Undecanol | 2 | Water, Demineralized | 1 |
| Trichloroethylene | 3 | Urea | 1 | Water, Salt | 1 |
| Trichlorotrifluoroethane | 1 | Urine | 1 | Whiskey | 1 |
| Tricresyl Phosphate | 1 | Varnish | 1 | White Spirit | 1 |
| Triethanolamine | NR | Vinegar | 1 | Wine | 1 |
| Triethylamine | NR | Vinyl Acetate | 2 | Xylene | NR |
| Triethylamine Glycol | 1 | Vinyl Chloride | NR | Zinc Chloride | 1 |
| Trisodium Phosphate | * | Vinylidene Chloride | NR | Zinc Cyanide | 1 |
| Tripopylene Glycol | 1 | Water, Fresh | 1 | Zinc Nitrate | 1 |
| Trisodium Phosphate | 1 | Water, Acid Mine | 1 | Zinc Stearate | 1 |
| Tung Oil | 1 | Water, Distilled | 1 | Zinc Sulfate | 1 |

- 1 <15% loss in property values. Little or no chemical attack.
 2 15-30% loss in property values. Minor chemical attack.
 3 30-50% loss in property values. Moderate chemical attack.
 NR Not recommended. >50% loss in property values.
 * No data available.
 Note: All testing done at ambient temperature (+/- 70°F or 21°C)

Note: All data presumed to be correct. Information must be verified by user by independent tests based on application. Plastruct not liable for errors in data.

