



Nylon Chemical Resistance Chart

A= No Effect or Excellent

B= Minor Effect or Good

C= Moderate Effect or Fair

D= Severe Effect or Not Recommended

	Nylon
Acetaidehyde ⁵	A
Acetamide	--
Acetate Solv. ²	A
Acetic Acid, Glacia ¹	D
Acetic Acid 20%	D
Acetic Acid 80%	D
Acetic Acid	D
Acetic Anhydride	D
Acetone ⁶	A
Acetyl Chloride	--
Acetylene ²	A
Acrylonitrile	--
Alohois Amyl	A
Benzyl	A
Butyl	A
Diacetone ²	A
Ethyl	A
Hexyl	A
Isobutyl	A
Isopropyl	A
Methyl ⁶	A
Octyl	A



Propyl	A
Aluminum Chloride 20%	A
Aluminum Chloride	D
Aluminum Flouride	D
Aluminum Hydroxide ⁶	A
Alum Potassium Sulfate (Alum), 10%	A
Alum Potassium Sulfate (Alum), 100%	D
Aluminum Sulfate	A
Amines	A
Ammonia 10%	A
Ammonia, Anhydrous	A
Ammonia, Liquids	--
Ammonia, Nitrate	--
Ammonia, Bifluoride	--
Ammonia, Carbonate	A
Ammonia, Casenite	--
Ammonia, Chloride	A
Ammonia, Hydroxide	A
Ammonia, Nitrate	D
Ammonia, Oxalate	--
Ammonia, Persulfate	D
Ammonia, Phrosphate, Dibasic	A
Ammonia, Phrosphate, Monobasic	A
Ammonia, Phrosphate, Tribasic	A
Ammonia, Sulfate	D
Ammonia, Thio-sulfate	--
Amyl-Acetate	B
Amyl Alcohol	A
Amyl Chloride	C
Aniline	C



Anti-Freeze	A
Antimony Trichloride	D
Aqua Regia (80%, HCl, 20%, HNO ₃)	D
Arochlor 1248	--
Aromatic Hydrocarbons	--
Arsenic Acid	A
Asphalt	A
Barium Carbonate	A
Barium Chloride	B
Barium Cyanide	--
Barium Hydroxide	A
Barium Nitrate	--
Barium Sulfate	A
Barium Sulfide	A
Beer ²	D
Beef Sugar Liquids	A
Benzaldehyde ³	C
Benzene ²	A
Benzoic Acid	D
Benzol	A
Borax (Sodium Borate)	A
Boric Acid	A
Brewery Slop	--
Bromine ² (wet)	D
Butadiene	A
Butane ^{2 1}	A
Butanol	--
Butter	--
Buttermilk	A
Butylene	--



Butyl Acetate ¹	--
Butyric Acid ¹	D
Calcium Bisulfate	A
Calcium Bisulfide	A
Calcium Bisulfite	A
Calcium Carbonate	A
Calcium Chlorate	A
Calcium Chloride	A
Calcium Hydroxide	A
Calcium Hypochlorite	D
Calcium Sulfate	A
Calgon	--
Cane Juice ²	A
Carbolic Acid (See Phenol)	--
Carbon Bisulfide ²	A
Carbon Dioxide (wet)	--
Carbon Disulfide ²	A
Carbon Monoxide	A
Carbon Tetrachloride ^{2 1}	A
Carbonated Water	A
Carbonic Acid	A
Catsup	A
Chloroacetic Acid ²	D
Chloric Acid	--
Chlorinated Glue	C
Chlorine, Anhydrous Liquid	D
Chlorine (dry)	--
Chlorine Water	D
Chlorobenzene (Mono)	A
Chloroform	C



Chlorosulfonic Acid ¹	D
Chlorox (Bleach)	D
Chocolate Syrup	A
Chromic Acid 5%	D
Chromic Acid 10%	D
Chromic Acid 30%	D
Chromic Acid 50%	D
Cider	--
Citric Acid	C
Citric Oils	--
Coffee	A
Copper Chloride	D
Copper Cyanide	A
Copper Floborate	--
Copper Nitrate	D
Copper Sulfate (5% Solution)	D
Copper Sulfate	C
Cream	A
Cresols ²	--
Cresylic Acid	D
Cyclohexane	--
Cyanic Acid	--
Detergents	A
Dichlorethane	A
Diesel Fuel	--
Diethylamine	--
Diethylene Glycol	A
Diphenyl Oxide	--
Dyes	--
Epsom Salts (Magnesium Sulfate)	--



Ethane	--
Ethanolamine	--
Ether ³	C
Ethyl Acetate ²	A
Ethyl Chloride	A
Ethyl Sulfate	--
Ethylene Chloride ²	--
Ethylene Dichloride	A
Ethylene Glycol ⁴	A
Ethylene Oxide	A
Fatty Acids	A
Ferric Chloride	D
Ferric Nitrate	D
Ferric Sulfate	A
Ferrous Chloride	D
Ferrous Sulfate	D
Fluoboric Acid	C
Fluorine	D
Fluosilicic Acid	D
Formaldehyde 40%	D
Formaldehyde	A
Formic Acid ⁶	D
Freon 11 ¹	A
Freon 12 (wet) ²	A
Freon 22	A
Freon 113	A
Freon T.F. ⁴	A
Fruit Juice	A
Fuel Oils	A
Furan Resin	--



Furfural ¹	A
Gallic Acid	A
Gasoline ^{1 4}	A
Gelatin	A
Glucose	A
Glue P.V.A. ¹	A
Glycerine	A
Cycolic Acid	--
Gold Monocyanide	--
Oils (Cont.)	
Fuel (1, 2, 3, 5A, 5B, 6)	--
Ginger	--
Hydraulic (See Hydraulic)	--
Lemon	--
Linseed	A
Mineral	A
Olive	A
Orange	A
Palm	A
Peanut ³	--
Peppermint ²	--
Pine	--
Rape Seed	--
Rosin	A
Sesame Seed	--
Silicone	A
Soybean	A
Sperm	--
Tanning	--
Turbine	--



Oleic Acid	A
Oleum 25%	--
Oleum	--
Oxalic Acid (cold)	D
Paraffin	A
Pentane	A
Perchloroethylene ²	--
Petrolatum	A
Phenol 10%	D
Phenol (Carbolic Acid)	D
Phosphoric Acid (to 40% Solution)	D
Phosphoric Acid (40%-100% Solution)	D
Phosphoric Acid (Crude)	D
Phosphoric Anhydride (Dry or Moist)	--
Phosphoric Anhydride (Molten)	A
Photographic (Developer)	--
Phthalic Anhydride	A
Picric Acid	A
Plating Solutions	
Antimony Plating 130°	D
Arsenic Plating 110°F	A
Brass Plating	
Regular Brass Bath 100°F	A
High Speed Brass Bath 110°F	A
Bronze Plating	
Copper-Cadmium Bronze Bath R.T.	A
Copper-Tin Bronze Bath 160°F	A
Copper-Zinc Bronze Bath 100°F	A
Cadmium Plating	
Cyanide Bath 90°F	A



Fluoborate Bath 100°F	D
Chromium Plating	
Chromic-Sulfuric Bath 130°F	D
Fluosilicate Bath 95°F	D
Fluoride Bath 130°F	D
Platings (Cont.)	
Black Chrome Bath 115°F	D
Barrel Chrome Bath 95°F	D
Copper Plating (Cyanide)	
Copper Strike Bath 120°F	--
Rochelle Salt Bath 150°F	A
High Speed Bath 180°F	A
Copper Plating (Acid)	
Copper Sulfate Bath R.T.	D
Copper Fluoborate Bath 120°F	D
Copper (Misc.)	
Copper Pyrophosphate 140°F	A
Copper (Electroless) 140°F	A
Gold Plating	
Cyanide 150°F	A
Neutral 75°F	A
Acid 75°F	A
Indium Sulfamate Plating R.T.	D
Iron Plating	
Ferrous Chloride Bath 190°F	D
Ferrous Sulfate Bath 150°F	D
Ferrous Am. Sulfate Bath 150°F	D
Sulfate-Chloride Bath 160°F	D
Fluoborate Bath 145°F	D
Sulfamate 140°F	D



Lead Fluoborate Plating	D
Nickel Plating	
Watts Type 115-160°F	A
High Chloride 130-160°F	D
Fluoborate 100-170°F	D
Sulfamate 100-140°F	A
Electroless 200°F	D
Rhodium Plating 120°F	D
Silver Plating 80-120°F	A
Tin-Fluoborate Plating 100°F	D
Tine-Lead Plating 100°F	D
Zinc Plating	
Acid Chloride 140°F	D
Acid Sulfate Bath 150°F	D
Acid Fluoborate Bath R.T.	D
Alkaline Cyanide Bath R.T.	A
Potash	A
Potassium Bicarbonate	A
Potassium Bromide	C
Potassium Carbonate	A
Potassium Chlorate	D
Potassium Chloride	B
Potassium Chromate	--
Potassium Cyanide Solutions	A
Potassium Dichromate	D
Potassium Ferrocyanide	A
Potassium Hydroxide (50%)	A
Potassium Nitrate	C
Potassium Permanganate	D
Potassium Sulfate	C



Potassium Sulfide	--
Propane (Liquified) ^{1 2}	A
Propylene Glycol	B
Pyridine	--
Pyrogallic Acid	A
Rosins	A
Rum	A
Rust Inhibitors	--
Salad Dressing	A
Sea Water	A
Shellac (Bleached)	A
Shellac (Orange)	A
Silicone	A
Silver Bromide	--
Silver Nitrate	A
Soap Solutions ¹	A
Soda Ash (See Sodium Carbonate)	--
Sodium Acetate	A
Sodium Aluminate	A
Sodium Bicarbonate	A
Sodium Bisulfate	C
Sodium Bisulfite	D
Sodium Borate	A
Sodium Carbonate	A
Sodium Chlorate	A
Sodium Chloride	A
Sodium Chromate	A
Sodium Cyanide	C
Sodium Fluoride	A
Sodium Hydrosulfite	A



Sodium Hydroxide (20%)	C
Sodium Hydroxide (50% Solution)	C
Sodium Hydroxide (80% Solution)	C
Sodium Hypochlorite ³ (to 20%)	A
Sodium Hypochlorite	A
Sodium Hyposulfate	--
Sodium Metaphosphate ²	A
Sodium Metasilicate	--
Sodium Nitrate	A
Sodium Perborate	A
Sodium Peroxide	D
Sodium Polyphosphate (Mono, Di, Tribasic)	--
Sodium Silicate	A
Sodium Sulfate	A
Sodium Sulfide	A
Sodium Sulfite	D
Sodium Tetraborate	--
Sodium Thiosulphate ("Hypo")	A
Sorghum	A
Soy Sauce	A
Stannic Chloride	A
Stannic Fluoborate	--
Stannous Chloride	D
Starch	A
Stearic Acid ²	A
Stoddard Solvent	A
Styrene	--
Sugar (Liquids)	A
Sulfate Liquors	--



Sulfur Chloride	A
Sulfur Dioxide ²	D
Sulfur Dioxide (dry)	A
Sulfur Trioxide (dry)	D
Sulfuric Acid (to 10%)	D
Sulfuric Acid (10%-75%) ²	D
Sulfuric Acid 75%-100%	D
Sulfurous Acid	D
Sulfuryl Chloride	--
Syrup	A
Tallow	A
Tannic Acid	D
Tanning Liquors	--
Tartaric Acid	A
Tetrachlorethane	A
Tetrahydrofuran	A
Toluene, Toluol ³	A
Tomato Juice	A
Trichlorethane	--
Trichlorethylene ²	C
Trichloropropane	--
Tricresylphosphate	--
Triethylamine	--
Turpentine ³	A
Urine	A
Vegetable Juice	A
Vinegar	A
Varnish (Use Viton for Aromatic)	A
Water, Acid, Mine	A
Water, Distilled, Lab Grade 7	A



Water, Fresh	A
Water, Salt	A
Weed Killers	A
Whey	--
Whiskey and Wines	A
White Liquor (Pulp Mill)	A
White Water (Paper Mill)	A
Xylene ²	A
Zinc Chloride	A
Zinc Hydrosulphite	--
Zinc Sulfate	A