

Engineering Note

SUBJECT: FLUID AND CHEMICAL RESISTANCE OF CICOIL FLEXX-SIL™

CICOIL Flexx-Sil™ jacket is resistant to many fluid chemicals regularly used in industry and the military. Please see the reference below for the compatibility of Flexx-Sil™ ultra-pure rubber to fluids and chemicals:

Chemical Compatibility Chart for Flexx-Sil™

Explanation of Footnotes

1. Satisfactory to 72°F (22° C)
2. Satisfactory to 120°F (48° C)

Ratings -- Chemical Effect

A = Excellent.

B = Good -- Minor Effect, slight corrosion or discoloration.

C = Fair -- Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.

D = Severe Effect, not recommended for ANY use.

N/A = Information Not Available.

Chemical	Compatibility
Acetaldehyde	A-Excellent
Acetamide	B-Good
Acetate Solvent	C-Fair
Acetic Acid	C-Fair
Acetic Acid 20%	B-Good
Acetic Acid 80%	B-Good
Acetic Acid, Glacial	B-Good
Acetic Anhydride	C-Fair
Acetone	D-Severe Effect
Acetyl Bromide	N/A
Acetyl Chloride (dry)	C-Fair
Acetylene	B-Good
Acrylonitrile	D-Severe Effect
Adipic Acid	N/A

Chemical	Compatibility
Alcohols:Amyl	D-Severe Effect
Alcohols:Benzyl	N/A
Alcohols:Butyl	B-Good
Alcohols:Diacetone	D-Severe Effect
Alcohols:Ethyl	B-Good
Alcohols:Hexyl	B-Good
Alcohols:Isobutyl	A-Excellent
Alcohols:Isopropyl	A-Excellent
Alcohols:Methyl	A-Excellent
Alcohols:Octyl	B-Good
Alcohols:Propyl	A-Excellent
Aluminum Chloride	B-Good
Aluminum Chloride 20%	B-Good
Aluminum Fluoride	B-Good

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Chemical	Compatibility
Aluminum Hydroxide	N/A
Aluminum Nitrate	B-Good
Aluminum Potassium Sulfate 10%	A-Excellent
Aluminum Potassium Sulfate 100%	A-Excellent
Aluminum Sulfate	A-Excellent
Alums	A-Excellent
Amines	B-Good
Ammonia 10%	N/A
Ammonia Nitrate	N/A
Ammonia, anhydrous	C-Fair
Ammonia, liquid	N/A
Ammonium Acetate	N/A
Ammonium Bifluoride	N/A
Ammonium Carbonate	C-Fair
Ammonium Caseinate	N/A
Ammonium Chloride	C-Fair
Ammonium Hydroxide	A-Excellent
Ammonium Nitrate	C-Fair
Ammonium Oxalate	N/A
Ammonium Persulfate	D-Severe Effect
Ammonium Phosphate, Dibasic	A-Excellent
Ammonium Phosphate, Monobasic	A-Excellent
Ammonium Phosphate, Tribasic	A-Excellent
Ammonium Sulfate	A-Excellent
Ammonium Sulfite	N/A
Ammonium Thiosulfate	N/A
Amyl Acetate	D-Severe Effect
Amyl Alcohol	D-Severe Effect
Amyl Chloride	D-Severe Effect
Aniline	B-Good

Chemical	Compatibility
Aniline Hydrochloride	D-Severe Effect
Antifreeze	C-Fair
Antimony Trichloride	N/A
Aqua Regia (80% HCl, 20% HNO3)	D-Severe Effect
Arochlor 1248	B-Good
Aromatic Hydrocarbons	D-Severe Effect
Arsenic Acid	A-Excellent
Arsenic Salts	N/A
Asphalt	D-Severe Effect
Barium Carbonate	N/A
Barium Chloride	A-Excellent
Barium Cyanide	N/A
Barium Hydroxide	A-Excellent
Barium Nitrate	B-Good
Barium Sulfate	A-Excellent
Barium Sulfide	A-Excellent
Beer	A-Excellent
Beet Sugar Liquids	A-Excellent
Benzaldehyde	D-Severe Effect
Benzene	D-Severe Effect
Benzene Sulfonic Acid	D-Severe Effect
Benzoic Acid	B-Good
Benzol	D-Severe Effect
Benzonitrile	A-Excellent
Benzyl Chloride	D-Severe Effect
Bleaching Liquors	B-Good
Borax (Sodium Borate)	B-Good
Boric Acid	A-Excellent
Brewery Slop	N/A
Bromine	D-Severe Effect
Butadiene	D-Severe Effect
Butane	D-Severe Effect
Butanol (Butyl Alcohol)	B-Good

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Chemical	Compatibility
Butter	B-Good
Buttermilk	A-Excellent
Butyl Amine	B-Good
Butyl Ether	D-Severe Effect
Butyl Phthalate	A-Excellent
Butylacetate	D-Severe Effect
Butylene	D-Severe Effect
Butyric Acid	D-Severe Effect
Calcium Bisulfate	C-Fair
Calcium Bisulfide	C-Fair
Calcium Bisulfite	A-Excellent
Calcium Carbonate	A-Excellent
Calcium Chlorate	N/A
Calcium Chloride	A-Excellent
Calcium Hydroxide	A-Excellent
Calcium Hypochlorite	B-Good
Calcium Nitrate	B-Good
Calcium Oxide	A-Excellent
Calcium Sulfate	N/A
Calgon	A-Excellent
Cane Juice	A-Excellent
Carbolic Acid (Phenol)	D-Severe Effect
Carbon Bisulfide	N/A
Carbon Dioxide (dry)	B-Good
Carbon Dioxide (wet)	B-Good
Carbon Disulfide	N/A
Carbon Monoxide	A-Excellent
Carbon Tetrachloride	D-Severe Effect
Carbon Tetrachloride (dry)	D-Severe Effect
Carbon Tetrachloride (wet)	D-Severe Effect
Carbonated Water	N/A
Carbonic Acid	A-Excellent
Catsup	N/A
Chloric Acid	N/A

Chemical	Compatibility
Chlorinated Glue	N/A
Chlorine (dry)	D-Severe Effect
Chlorine Water	A-Excellent
Chlorine, Anhydrous Liquid	D-Severe Effect
Chloroacetic Acid	D-Severe Effect
Chlorobenzene (Mono)	D-Severe Effect
Chlorobromomethane	D-Severe Effect
Chloroform	D-Severe Effect
Chlorosulfonic Acid	D-Severe Effect
Chocolate Syrup	N/A
Chromic Acid 10%	C-Fair
Chromic Acid 30%	C-Fair
Chromic Acid 5%	C-Fair
Chromic Acid 50%	C-Fair
Chromium Salts	N/A
Cider	B-Good
Citric Acid	A-Excellent
Citric Oils	N/A
Cloroxr (Bleach)	N/A
Coffee	A-Excellent
Copper Chloride	A-Excellent
Copper Cyanide	A-Excellent
Copper Fluoborate	N/A
Copper Nitrate	N/A
Copper Sulfate >5%	A-Excellent
Copper Sulfate 5%	A-Excellent
Cream	N/A
Cresols	D-Severe Effect
Cresylic Acid	D-Severe Effect
Cupric Acid	A-Excellent
Cyanic Acid	A-Excellent
Cyclohexane	D-Severe Effect
Cyclohexanone	D-Severe Effect
Detergents	A-Excellent

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Chemical	Compatibility
Diacetone Alcohol	D-Severe Effect
Dichlorobenzene	D-Severe Effect
Dichloroethane	N/A
Diesel Fuel	D-Severe Effect
Diethyl Ether	D-Severe Effect
Diethylamine	B-Good
Diethylene Glycol	B-Good
Dimethyl Aniline	D-Severe Effect
Dimethyl Formamide	C-Fair
Diphenyl	D-Severe Effect
Diphenyl Oxide	C-Fair
Dyes	N/A
Epsom Salts (Magnesium Sulfate)	A-Excellent
Ethane	D-Severe Effect
Ethanol	B-Good
Ethanolamine	B-Good
Ether	D-Severe Effect
Ethyl Acetate	B-Good
Ethyl Benzoate	D-Severe Effect
Ethyl Chloride	D-Severe Effect
Ethyl Ether	D-Severe Effect
Ethyl Sulfate	N/A
Ethylene Bromide	D-Severe Effect
Ethylene Chloride	D-Severe Effect
Ethylene Chlorohydrin	C-Fair
Ethylene Diamine	A-Excellent
Ethylene Dichloride	D-Severe Effect
Ethylene Glycol	A-Excellent
Ethylene Oxide	D-Severe Effect
Fatty Acids	C-Fair
Ferric Chloride	B-Good
Ferric Nitrate	C-Fair
Ferric Sulfate	B-Good

Chemical	Compatibility
Ferrous Chloride	N/A
Ferrous Sulfate	N/A
Fluoboric Acid	N/A
Fluorine	D-Severe Effect
Fluosilicic Acid	N/A
Formaldehyde 100%	B-Good
Formaldehyde 40%	N/A
Formic Acid	B-Good
Freon 113	D-Severe Effect
Freon 12	D-Severe Effect
Freon 22	D-Severe Effect
Freon TF	D-Severe Effect
Freonr 11	D-Severe Effect
Fruit Juice	N/A
Fuel Oils	D-Severe Effect
Furan Resin	D-Severe Effect
Furfural	D-Severe Effect
Gallic Acid	D-Severe Effect
Gasoline (high-aromatic)	D-Severe Effect
Gasoline, leaded, ref.	D-Severe Effect
Gasoline, unleaded	D-Severe Effect
Gelatin	A-Excellent
Glucose	A-Excellent
Glue, P.V.A.	A-Excellent
Glycerin	A-Excellent
Glycolic Acid	A-Excellent
Gold Monocyanide	N/A
Grape Juice	A-Excellent
Grease	D-Severe Effect
Heptane	D-Severe Effect
Hexane	D-Severe Effect
Honey	A-Excellent
Hydraulic Oil (Petro)	B-Good
Hydraulic Oil (Synthetic)	B-Good

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Chemical	Compatibility
Hydrazine	B-Good
Hydrobromic Acid 100%	D-Severe Effect
Hydrobromic Acid 20%	D-Severe Effect
Hydrochloric Acid 100%	D-Severe Effect
Hydrochloric Acid 20%	D-Severe Effect
Hydrochloric Acid 37%	B-Good
Hydrochloric Acid, Dry Gas	N/A
Hydrocyanic Acid	C-Fair
Hydrocyanic Acid (Gas 10%)	D-Severe Effect
Hydrofluoric Acid 100%	D-Severe Effect
Hydrofluoric Acid 20%	D-Severe Effect
Hydrofluoric Acid 50%	D-Severe Effect
Hydrofluoric Acid 75%	D-Severe Effect
Hydrofluosilicic Acid 100%	D-Severe Effect
Hydrofluosilicic Acid 20%	D-Severe Effect
Hydrogen Gas	C-Fair
Hydrogen Peroxide 10%	A-Excellent
Hydrogen Peroxide 100%	B-Good
Hydrogen Peroxide 30%	B-Good
Hydrogen Peroxide 50%	B-Good
Hydrogen Sulfide (aqua)	C-Fair
Hydrogen Sulfide (dry)	C-Fair
Hydroquinone	N/A
Hydroxyacetic Acid 70%	N/A
Ink	N/A
Iodine	N/A
Iodine (in alcohol)	N/A
Iodoform	N/A
Isooctane	D-Severe Effect
Isopropyl Acetate	D-Severe Effect
Isopropyl Ether	D-Severe Effect
Isotane	N/A
Jet Fuel (JP3, JP4, JP5)	D-Severe Effect
Kerosene	D-Severe Effect

Chemical	Compatibility
Ketones	N/A
Lacquer Thinners	D-Severe Effect
Lacquers	D-Severe Effect
Lactic Acid	A-Excellent
Lard	B-Good
Latex	A-Excellent
Lead Acetate	A-Excellent
Lead Nitrate	B-Good
Lead Sulfamate	B-Good
Ligroin	D-Severe Effect
Lime	N/A
Linoleic Acid	B-Good
Lithium Chloride	A-Excellent
Lithium Hydroxide	N/A
Lubricants	D-Severe Effect
Lye: Ca(OH) ₂ Calcium Hydroxide	A-Excellent
Lye: KOH Potassium Hydroxide	C-Fair
Lye: NaOH Sodium Hydroxide	A-Excellent
Magnesium Bisulfate	N/A
Magnesium Carbonate	N/A
Magnesium Chloride	A-Excellent
Magnesium Hydroxide	A-Excellent
Magnesium Nitrate	N/A
Magnesium Oxide	N/A
Magnesium Sulfate (Epsom Salts)	A-Excellent
Maleic Acid	N/A
Maleic Anhydride	N/A
Malic Acid	B-Good
Manganese Sulfate	A-Excellent
Mash	N/A
Mayonnaise	N/A
Melamine	C-Fair

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Chemical	Compatibility
Mercuric Chloride (dilute)	N/A
Mercuric Cyanide	A-Excellent
Mercurous Nitrate	N/A
Mercury	N/A
Methane	D-Severe Effect
Methanol (Methyl Alcohol)	A-Excellent
Methyl Acetate	D-Severe Effect
Methyl Acetone	N/A
Methyl Acrylate	D-Severe Effect
Methyl Alcohol 10%	A-Excellent
Methyl Bromide	N/A
Methyl Butyl Ketone	D-Severe Effect
Methyl Cellosolve	D-Severe Effect
Methyl Chloride	D-Severe Effect
Methyl Dichloride	N/A
Methyl Ethyl Ketone	D-Severe Effect
Methyl Ethyl Ketone Peroxide	B-Good
Methyl Isobutyl Ketone	D-Severe Effect
Methyl Isopropyl Ketone	C-Fair
Methyl Methacrylate	C-Fair
Methylamine	N/A
Methylene Chloride	N/A
Milk	A-Excellent
Mineral Spirits	D-Severe Effect
Molasses	N/A
Monochloroacetic acid	N/A
Monoethanolamine	B-Good
Morpholine	N/A
Motor oil	N/A
Mustard	N/A
Naphtha	D-Severe Effect
Naphthalene	D-Severe Effect
Natural Gas	A-Excellent
Nickel Chloride	A-Excellent

Chemical	Compatibility
Nickel Nitrate	N/A
Nickel Sulfate	A-Excellent
Nitrating Acid (<15% HNO3)	N/A
Nitrating Acid (>15% H2SO4)	N/A
Nitrating Acid (S1% Acid)	N/A
Nitrating Acid (S15% H2SO4)	N/A
Nitric Acid (20%)	D-Severe Effect
Nitric Acid (50%)	D-Severe Effect
Nitric Acid (5-10%)	C-Fair
Nitric Acid (Concentrated)	D-Severe Effect
Nitrobenzene	D-Severe Effect
Nitrogen Fertilizer	N/A
Nitromethane	D-Severe Effect
Nitrous Acid	N/A
Nitrous Oxide	N/A
Oils:Aniline	D-Severe Effect
Oils:Anise	N/A
Oils:Bay	N/A
Oils:Bone	N/A
Oils:Castor	A-Excellent
Oils:Cinnamon	N/A
Oils:Citric	N/A
Oils:Clove	N/A
Oils:Coconut	A-Excellent
Oils:Cod Liver	B-Good
Oils:Corn	A-Excellent
Oils:Cottonseed	A-Excellent
Oils:Creosote	D-Severe Effect
Oils:Diesel Fuel (20, 30, 40, 50)	D-Severe Effect
Oils:Fuel (1, 2, 3, 5A, 5B, 6)	C-Fair
Oils:Ginger	N/A
Oils:Hydraulic Oil (Petro)	B-Good
Oils:Hydraulic Oil (Synthetic)	B-Good

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Chemical	Compatibility
Oils:Lemon	N/A
Oils:Linseed	A-Excellent
Oils:Mineral	C-Fair
Oils:Olive	D-Severe Effect
Oils:Orange	D-Severe Effect
Oils:Palm	N/A
Oils:Peanut	A-Excellent
Oils:Peppermint	N/A
Oils:Pine	D-Severe Effect
Oils:Rapeseed	D-Severe Effect
Oils:Rosin	N/A
Oils:Sesame Seed	N/A
Oils:Silicone	C-Fair
Oils:Soybean	A-Excellent
Oils:Sperm (whale)	N/A
Oils:Tanning	N/A
Oils:Transformer	B-Good
Oils:Turbine	D-Severe Effect
Oleic Acid	D-Severe Effect
Oleum 100%	D-Severe Effect
Oleum 25%	D-Severe Effect
Oxalic Acid (cold)	B-Good
Ozone	A-Excellent
Palmitic Acid	D-Severe Effect
Paraffin	N/A
Pentane	D-Severe Effect
Perchloric Acid	D-Severe Effect
Perchloroethylene	D-Severe Effect
Petrolatum	D-Severe Effect
Petroleum	D-Severe Effect
Phenol (10%)	D-Severe Effect
Phenol (Carbolic Acid)	D-Severe Effect
Phosphoric Acid (>40%)	D-Severe Effect
Phosphoric Acid (crude)	D-Severe Effect

Chemical	Compatibility
Phosphoric Acid (molten)	N/A
Phosphoric Acid (S40%)	C-Fair
Phosphoric Acid Anhydride	N/A
Phosphorus	N/A
Phosphorus Trichloride	N/A
Photographic Developer	B-Good
Photographic Solutions	A-Excellent
Phthalic Acid	B-Good
Phthalic Anhydride	N/A
Picric Acid	D-Severe Effect
Plating Solutions, Antimony Plating 130°F	N/A
Plating Solutions, Arsenic Plating 110°F	N/A
Plating Solutions, Brass Plating: High-Speed Brass Bath 110°F	N/A
Plating Solutions, Brass Plating: Regular Brass Bath 100°F	N/A
Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath R.T.	N/A
Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160°F	N/A
Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100°F	N/A
Plating Solutions, Cadmium Plating: Cyanide Bath 90°F	N/A
Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F	N/A
Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F	N/A

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Chemical	Compatibility
Plating Solutions, Chromium Plating: Black Chrome Bath 115°F	N/A
Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130°F	N/A
Plating Solutions, Chromium Plating: Fluoride Bath 130°F	N/A
Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F	N/A
Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F	N/A
Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T.	N/A
Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F	N/A
Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F	N/A
Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F	N/A
Plating Solutions, Copper Plating (Misc): Copper (Electroless)	N/A
Plating Solutions, Copper Plating (Misc): Copper Pyrophosphate	N/A
Plating Solutions, Gold Plating: Acid 75°F	N/A
Plating Solutions, Gold Plating: Cyanide 150°F	N/A
Plating Solutions, Gold Plating: Neutral 75°F	N/A

Chemical	Compatibility
Plating Solutions, Indium Sulfamate Plating R.T.	N/A
Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath 150°F	N/A
Plating Solutions, Iron Plating: Ferrous Chloride Bath 190°F	N/A
Plating Solutions, Iron Plating: Ferrous Sulfate Bath 150°F	N/A
Plating Solutions, Iron Plating: Fluoborate Bath 145°F	N/A
Plating Solutions, Iron Plating: Sulfamate 140°F	N/A
Plating Solutions, Iron Plating: Sulfate-Chloride Bath 160°F	N/A
Plating Solutions, Lead Fluoborate Plating	N/A
Plating Solutions, Nickel Plating: Electroless 200°F	N/A
Plating Solutions, Nickel Plating: Fluoborate 100-170°F	N/A
Plating Solutions, Nickel Plating: High-Chloride 130-160°F	N/A
Plating Solutions, Nickel Plating: Sulfamate 100-140°F	N/A
Plating Solutions, Nickel Plating: Watts Type 115-160°F	N/A
Plating Solutions, Rhodium Plating 120°F	N/A
Plating Solutions, Silver Plating 80-120°F	N/A

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Chemical	Compatibility
Plating Solutions, Tin-Fluoborate Plating 100°F	N/A
Plating Solutions, Tin-Lead Plating 100°F	N/A
Plating Solutions, Zinc Plating: Acid Chloride 140°F	N/A
Plating Solutions, Zinc Plating: Acid Fluoborate Bath R.T.	N/A
Plating Solutions, Zinc Plating: Acid Sulfate Bath 150°F	N/A
Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T.	N/A
Potash (Potassium Carbonate)	N/A
Potassium Bicarbonate	A-Excellent
Potassium Bromide	A-Excellent
Potassium Chlorate	B-Good
Potassium Chloride	A-Excellent
Potassium Chromate	N/A
Potassium Cyanide Solutions	A-Excellent
Potassium Dichromate	A-Excellent
Potassium Ferricyanide	N/A
Potassium Ferrocyanide	N/A
Potassium Hydroxide (Caustic Potash)	C-Fair
Potassium Hypochlorite	N/A
Potassium Iodide	N/A
Potassium Nitrate	A-Excellent
Potassium Oxalate	N/A
Potassium Permanganate	N/A
Potassium Sulfate	A-Excellent
Potassium Sulfide	A-Excellent
Propane (liquefied)	D-Severe Effect
Propylene	D-Severe Effect

Chemical	Compatibility
Propylene Glycol	A-Excellent
Pyridine	D-Severe Effect
Pyrogalllic Acid	N/A
Resorcinal	N/A
Rosins	A-Excellent
Rum	A-Excellent
Rust Inhibitors	N/A
Salad Dressings	N/A
Salicylic Acid	N/A
Salt Brine (NaCl saturated)	A-Excellent
Sea Water	A-Excellent
Shellac (Bleached)	N/A
Shellac (Orange)	N/A
Silicone	C-Fair
Silver Bromide	N/A
Silver Nitrate	A-Excellent
Soap Solutions	A-Excellent
Soda Ash (see Sodium Carbonate)	A-Excellent
Sodium Acetate	D-Severe Effect
Sodium Aluminate	N/A
Sodium Benzoate	N/A
Sodium Bicarbonate	A-Excellent
Sodium Bisulfate	A-Excellent
Sodium Bisulfite	A-Excellent
Sodium Borate (Borax)	A-Excellent
Sodium Bromide	N/A
Sodium Carbonate	A-Excellent
Sodium Chlorate	C-Fair
Sodium Chloride	A-Excellent
Sodium Chromate	N/A
Sodium Cyanide	A-Excellent
Sodium Ferrocyanide	N/A
Sodium Fluoride	N/A

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Chemical	Compatibility
Sodium Hydrosulfite	C-Fair
Sodium Hydroxide (20%)	A-Excellent
Sodium Hydroxide (50%)	A-Excellent
Sodium Hydroxide (80%)	A-Excellent
Sodium Hypochlorite (<20%)	B-Good
Sodium Hypochlorite (100%)	B-Good
Sodium Hyposulfate	N/A
Sodium Metaphosphate	A-Excellent
Sodium Metasilicate	N/A
Sodium Nitrate	D-Severe Effect
Sodium Perborate	B-Good
Sodium Peroxide	D-Severe Effect
Sodium Polyphosphate	D-Severe Effect
Sodium Silicate	A-Excellent
Sodium Sulfate	A-Excellent
Sodium Sulfide	A-Excellent
Sodium Sulfite	A-Excellent
Sodium Tetraborate	A-Excellent
Sodium Thiosulfate (hypo)	A-Excellent
Sorghum	N/A
Soy Sauce	N/A
Stannic Chloride	B-Good
Stannic Fluoborate	N/A
Stannous Chloride	B-Good
Starch	N/A
Stearic Acid	B-Good
Stoddard Solvent	D-Severe Effect
Styrene	D-Severe Effect
Sugar (Liquids)	A-Excellent
Sulfate (Liquors)	B-Good
Sulfur Chloride	C-Fair
Sulfur Dioxide	B-Good
Sulfur Dioxide (dry)	B-Good
Sulfur Hexafluoride	B-Good

Chemical	Compatibility
Sulfur Trioxide	B-Good
Sulfur Trioxide (dry)	B-Good
Sulfuric Acid (<10%)	C-Fair
Sulfuric Acid (10-75%)	D-Severe Effect
Sulfuric Acid (75-100%)	D-Severe Effect
Sulfuric Acid (cold concentrated)	D-Severe Effect
Sulfuric Acid (hot concentrated)	D-Severe Effect
Sulfurous Acid	D-Severe Effect
Sulfuryl Chloride	N/A
Tallow	N/A
Tannic Acid	B-Good
Tanning Liquors	B-Good
Tartaric Acid	A-Excellent
Tetrachloroethane	D-Severe Effect
Tetrachloroethylene	D-Severe Effect
Tetrahydrofuran	D-Severe Effect
Tin Salts	B-Good
Toluene (Toluol)	D-Severe Effect
Tomato Juice	N/A
Trichloroacetic Acid	D-Severe Effect
Trichloroethane	D-Severe Effect
Trichloroethylene	D-Severe Effect
Trichloropropane	N/A
Tricresylphosphate	C-Fair
Triethylamine	N/A
Trisodium Phosphate	A-Excellent
Turpentine	D-Severe Effect
Urea	B-Good
Uric Acid	N/A
Urine	N/A
Varnish	D-Severe Effect
Vegetable Juice	B-Good



# EN-	007-0207
NAME:	John Palahnuk
REV:	NC-1

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Chemical	Compatibility
Vinegar	A-Excellent
Vinyl Acetate	D-Severe Effect
Vinyl Chloride	N/A
Water, Acid, Mine	B-Good
Water, Deionized	N/A
Water, Distilled	C-Fair
Water, Fresh	B-Good
Water, Salt	B-Good
Weed Killers	A-Excellent

Chemical	Compatibility
Whey	N/A
Whiskey & Wines	A-Excellent
White Liquor (Pulp Mill)	A-Excellent
White Water (Paper Mill)	N/A
Xylene	D-Severe Effect
Zinc Chloride	B-Good
Zinc Hydrosulfite	N/A
Zinc Sulfate	A-Excellent

Note: CICOIL also manufactures cables with modified surface coatings. These coatings are permanently bonded molecularly and make CICOIL cable impervious to almost all chemistries. Coatings include Teflon®, anti-friction, conductive and EMI coatings.

Please contact CICOIL for more information.


 (661)295-1295
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 Or on the web at: cicoil.com