

Chemical Resistance is the ability to render service in the transport of a specific chemical for a useful period of time at a specific concentration and temperature.

The following information concerns general chemical resistance only. Since other factors such as permeation, ESCR, and system design are involved; full compatibility testing is recommended.

- S - Recommended**
- 0 - Fair**
- U - Unsatisfactory**
- I - Insufficient data**

COMPATIBILITY RATING

	73°F (23°C)	120°F (48.9°C)	140°F (60°C)		73°F (23°C)	120°F (48.9°C)	140°F (60°C)
A				Aniline aq., all	S	-	U
Acetaidehyde	S	-	0	Aniline chlorohydrate	0	-	-
Acetamide	S	S	S	Aniline hydrochloride	0	-	S
Acetic acid 1-10%	S	S	S	Aniline dyes	0	-	-
Acetic acid 10-60%	S	0	0	Animal oils	S	-	S
Acetic anhydride	S	S	S	Aniseed oil	0	-	U
Acetoacetic acid	S	-	-	Anisole	0	-	U
Acetone 100%	S	S	S	Antifreeze	S	-	S
Acetophenone	S	-	-	Anthraquinone	0	-	-
Acetylene	S	-	-	Antimony chloride	S	S	S
Acids	S	S	S	Antimony trichloride	S	S	S
Acrylic emulsions	S	S	S	Aqua regia	0	U	U
Acrylonitrile	S	-	S	Aromatic hydrocarbons	U	U	U
Adiptic acid	S	S	S	Arsenic	S	S	S
Alcohol, allyl	S	0	S	Aryl sulfonic acid	S	-	-
Alcohol, amyl	S	S	S	Ascorbic acid	S	-	S
Alcohol, benzyl	0	0	S	Asphalt	S	-	0
Alcohol, (n-butanol)	S	S	S	Aspirin	S	S	S
Alcohol, (2-butanol)	S	S	-				
Alcohol, ethyl	S	0	0	B			
Alcohol, hexyl	S	S	S	Barium salts, all	S	S	S
Alcohol, isopropyl	S	S	0	Barium hydroxide aq., all	S	S	S
Alcohol, methyl	S	S	0	Battery acid	S	-	S
Alcohol, propyl	S	S	S	Beater glue	S	-	S
Allyl acetate	S	-	S	Beer	S	S	S
Allyl chloride	S	-	U	Beet sugar liquor	S	-	-
Aluminum, chloride dilute	S	S	S	Beeswax	S	0	U
Aluminum, chloride conc.	S	S	S	Benzaldehyde	S	-	0
Aluminum, fluoride conc.	S	S	S	Benzene	0	U	U
Aluminum, sulfate conc.	S	S	S	Benzene sulfonic acid	S	-	S
Alums (all types) conc.	S	S	S	Benzoic acid			
Amino acids	S	S	S	Crystals	S	S	S
Ammonia, gas	S	S	S	Saturated	S	S	S
Ammonia, acetate	S	S	S	Bismuth salts	S	-	S
Ammonia, bromide	S	S	S	Bisulphite solution	S	-	S
Ammonia, carbonate	S	S	S	Bitumen	S	-	0
Ammonia, chloride sat'd	S	S	S	Black liquor	S	S	S
Ammonia, fluoride 20%	S	S	S	Bleach liquor			
Ammonia, hydroxide	S	S	S	12.5% active Cl.	S	U	U
Ammonia,				55.5% active Cl.	S	S	S
metaphosphate sat'd	S	S	S	Bleach lye 10%	S	S	S
Ammonia, nitrate sat'd	S	S	S	Bone oil	S	-	S
Ammonia, persulfate sat'd	S	S	S	Borax	S	S	S
Ammonia, phosphate	S	S	S	Boric acid dilute	S	S	S
Ammonia, sulfate, sat'd	S	S	S	Boric acid conc.	S	S	S
Ammonia, sulfide sat'd	S	S	S	Boron trifluoride	S	0	0
Ammonia,				Brake fluid	S	-	S
thiocyanate sat'd	S	S	S	Brandy-wine	S	-	-
Amyl acetate	0	U	U	Brine	S	S	S
Amyl acetate	I	U	U	Bromic acid 10%	S	S	S
Amyl chloride	0	U	U	Bromine, gas	U	U	U
Amyl phthalate	S	-	S	Bromine, liquid	0	U	U

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Bromochloromethane	u	U	U	Cetyl alcohol	S	-	S
Butanediol aq., all	S	S	S	Chloral hydrate aq.	S	S	S
Butadiene	S	U	U	Chlorarnine	S	-	-
Butane tetrol	U	U	-	Chloroacetic acid	0	U	U
Butane, gas	S	S	S	Chloric acid	S	U	
Butanediol 10%	S	S	S	Chlorine, gaseous dry	0	U	U
Butanediol 60%	S	S	S	Chlorine, gaseous wet	0	U	U
Butanedoil 100%	S	S	S	Chlorine, liquid	U	U	U
Butter	S	S	S	Chlorobenzene	0	U	U
Butyl acetate	0	0	U	Chlorocarbonic acid	S	-	0
Butyl acrylate	S	-	0	Chlorobenzyl chloride	0	0	-
Butyll benzyl phthalate	S	-	S	Chloroethanol	S	-	S
Butylene glycol	S	S	S	Chlorofoam	U	U	U
Butylene	S	S	-	Chloromethane	0	U	U
Butyl phenol	0	0	S	Chloropicrin	0	-	U
Butyric acid 100%	S	S	S	Chlorosulfonic acid 100%	U	U	U
				Chrome Alum	S	S	S
C				Chromic acid 10-20%	S	0	U
Caffeine citrate sat'd	S	S	S	Chromic acid 50%	S	0	U
Calcium bisuffide	S	S	S	Chromic acid 80%	S	0	U
Calcium bromide	S	S	S	Chromium			
Calcium carbonate sat'd	S	S	S	trioxide aq. to 50%	S	-	U
Calcium chiorate sat'd	S	S	S	Chromsulphuric acid	S	0	U
Calcium chloride sat'd	S	S	S	Cider	S	-	S
Calcium hydroxide	S	S	S	Cinnamon	S	S	S
Calcium hydrochlorite	S	S	S	Cinnamon oil	U	U	U
Calcium nitrate 50%	S	S	S	Citric acid sat'd	S	S	S
Calcium sulfate	S	S	S	Citronells. oil	0	U	U
Camphor crystals	S	S	S	@Clophen A50 & A60	S	-	U
Camphor oil	U	U	U	Cloves (ground)	S	S	S
Cane sugar liquids	S	S	S	Coal-tar oil	S	-	0
Carbolic acid	S	-	S	Coconut oil	S	S	S
Carbolineurn	S	-	0	Cod liver oil	S	-	S
Carbon bisuffide	0	U	U	Coke oven gas			
Carbon dioxide				(benzene free)	S	S	S
Wet	S	S	S	Coffee	S	S	S
Dry	S	S	S	Cognac	S	-	-
Carbon disulphide	0	U	U	Cola concentrate	S	-	S
Carbon monoxide	S	S	S	Copper chloride	S	S	S
Carbon tetrachloride	U	U	U	Copper cyanide	S	S	S
Carbonic acid	S	S	S	Copper fluoride 2%	S	S	S
Carbozole	S	-	S	Copper nitrate	S	S	S
Camauba wax	S	S	S	Copper sulfate dilute	S	S	S
Carrot juice	S	S	S	Corn syrup	S	S	S
Casin	S	0	-	Corn oil	S	S	0
Castor oil	S	0	0	Cottonseed oil	S	S	S
Catsup	S	S	S	Coumarone resins	S	-	S
Caustic potash	S	S	S	Cranberry sauce	S	S	S
Caustic soda	S	S	S	Creosote	S	S	S
Cedar leaf oil	U	U	U	Cresols	S	0	0
Cedar wood oil	U	U	U	Cresylic acid 50%	0	-	-
Cellosolve	0	0		Crotonaldehyde	0	U	0

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Crude oil	0	0	-	Emulsions, photographic	S	-	S
Cuprous chloride sat'd	S	S	S	Emulsions acrylic	S	-	S
Cuprous oxide	S	S	S	Ephetin, aq., 10%	S	-	S
Cyclanone	S	-	S	Epichlorohydrin	S	-	S
Cyclohexane	0	U	U	Epsom salts	S	-	S
Cyclohexanol	0	S	S	Esters, aliphatic pure	S	S	S
Cyclohexanone	0	0	U	Ethane	S	-	S
				Ether	0	0	0
D				Ethyl acetate 100%	0	0	0
Decalin	S	-	U	Ethyl alcohol 100%	S	S	S
Detergents synthetic	S	S	S	Ethyl alcohol 35%	S	S	S
Developers, photographic	S	S	S	Ethyl benzene	0	U	U
Dextrin	S	S	S	Ethyl chloride	0	U	U
Dextrose	S	S	S	Ethyl ether	0	U	U
DDT powder	S	-	S	Ethylene	S	-	0
Diazo salts	S	0	S	Ethyl esters	S	0	-
Dibutyl ether	0	0	U	Ethyl halides	S	0	
Dibutyl phthalate, pure	S	0	0	Ethylene diamine, pure	S	S	
Dibutyl sebacate	S	0	0	Ethylene diamine tetraacetic acid			
Dichloroacetic acid	S	-	S	Ethylene dichloride	U	U	U
Dichloroacetic acid, pure	S	S	0	Ethylene chloride	0		0
Dichloroacetic acid, 50%	S	-	S	Ethylene dibromide	0		U
Dichlorobenzene	U	U	U	Ethylene glycol	S	S	S
Dichloroathane	0	-	0	Ethylene oxide (gas)	S	0	S
Dichloroethylene	U	U	U	2-Ethylhexanol	S	-	0
Dichloropropane	0	U	U	® Euron B	0	-	0
Dichloropropene	0	U	U	® Euron G	S	-	S
Diesel fuel	S	0	0				
Diethylamine	0	-	-	F			
Diethyl glycol	S	S	S	Fatty acids amides	S	-	0
Diethyl ether	S	0	U	Fatty acids	S	S	S
Diethyl ketone	S	-	0	Fatty alcohols	S	-	0
Diglycolic acid 30%	S	S	S	Ferric chloride sat'd	S	S	S
Diisobutyl ketone	S	S	U	Ferric nitrate sat'd	S	S	S
Diisopropyl ether	S	-	U	Ferrous ammonium citrate	S	S	S
Dimethylamine	S	0	0	Ferrous chloride sat'd	S	S	S
Dimethyl formamide, pure	S	S	0	Ferrous sulfate	S	S	S
Dimethyl sulphoxide	S	-	S	Fertilizer salts, all	S	S	S
Dioctyl phthalate	S	0	U	Film solutions	S	S	S
Dioxane 1,4	S	S	S	Fir wood oil	S		0
Diphenylamine	S	-	0	Fish solutions	S	S	S
Diphenyl oxide	S	-	0	Fluoboric acid	S	S	S
Disodium phosphate	S	S	S	Fluorine, dry gas	0	U	U
Disodium sulphate	S	-	S	Fluorine, wet gas	U	U	U
Dodecylbenzenesulphonic acid	S	-	0	Formaldehyde 10-30%	S	S	S
Drinking water	S	S	S	Formaldehyde 30-40%	S	S	0
Dyes	S	S	S	Formaaamide	S	-	S
				Formic acid 20%	S	S	S
				Formic acid 50%	S	S	S
E				Formic acid 100%	S	S	S
Electrolyte baths	S	-	0	Freon	0	0	0
Emulsifiers	S	-	0	Fruit juices & pulp	S	S	S

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Fuel oil	S	0	0	Hydroxylamine			
Furfurall	0	U	U	sulphate aq., 12%	S	S	S
Furfuryll alcohol	S	-	0	Hypochlorous acid oonc.	S	S	0
G				I			
Gallic acid	S	-	-	Inks	S	S	S
Gas, coal, manf.	S	S	S	Iodine - in KI	S	S	S
Gas, natural, methane	S	S		Iodine a1c. sol	0	U	U
Gasoline	S	U	U	Iodine, aq.	0	0	-
Gelatin	S	S	S	Iron III chloride	S	-	S
Genantin	S	-	S	Isobutyl alcohol	S	-	S
Glucose	S	S	S	Isooctane	0	0	0
Glue	S	S	S	Isopropanol	S	0	U
Glycerine	S	S	S	Isopropyl alcohol	S	-	0
Glycerol chlorohydrin	S		S	Isopropyl ether	0	0	U
Glycine	S		S				
Glycol	S	S	S	J			
Glycolic acid (to 70%)	S	S	S	Jams, jellies	S	-	S
Glysantin	S	-	S	Jet Fuels (JP-4 & JP-5)	S	0	-
Grape juice	S	S	S				
Grapefruit juice	S	S	S	K			
Grisiron 8302	0	-	0	Kerosene	0	U	U
Grisiron 8702	S	-	S	Ketones	S	0	U
				Kraft paper liquor	S	S	-
H				L			
Halothane	0	U	U	Laboraque's solution	0	-	-
Heating oil	0	0	-	Lactic acid 10%	S	S	S
Heptane	S	0	U	Lactic acid 90%	S	S	S
Hexachloroberizene	S	S	S	Lactose	S	-	S
Hexane	0	U	U	Lacquer thinners	0	0	-
Hexanetriol	S	-	S	Lanolin	S	-	S
Hexanol	S	S	S	Lard	S	S	S
Honey	S	-	S	Latex	S	S	S
Hydraulic fluid	S	-	0	Lauric acid	S	S	S
Hydrazine hydrate	S	-	S	Lauryl chloride	S	S	-
Hydrobromic acid, 50%	S	S	S	Lauryl sulfate	S	S	-
Hydrobromic acid, 10%	S	S	S	Lead acetate aq.	S	S	S
Hydrochloric acid, 30%	S	S	S	Lead nitrate	S	S	S
Hydrochloric acid, 35%	S	S	S	Lead salts	S	S	-
Hydrocyanic acid	S	S	S	Lead tetraethyl	S	-	-
Hydrofluoric acid, 60%	S	S	0	Lemon juice	S	S	S
Hydrofluoric acid, 75%	S	S	0	Lemon oil	0	U	U
Hydrofluosilicic acid, aq.	S	-	S	Lime juice	S	S	S
Hydrogen chloride gas	S	S	S	Lime sulfur	S	S	S
Hydrogen bromide 10%	S	S	S	Lime water	S	S	S
Hydrogen	S	S	S	Linseed oil	S	0	U
Hydrogen peroxide, 30%	S	S	S	Liquor	S	S	S
Hydrogen peroxide, 90%	S	U	U	Liqueur	S	S	U
Hydrogen phosphate	S	-	S	Liquid manure	S	S	S
Hydrogen sulphide	S	S	S	Liquid paraffin	S	S	S
Hydroquinone	S	S	S	Liquid soaps	S	S	S

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Lithium bromide	S	-	S	Methyl isobutyl ketone	S	-	U
Lubricating oils	0	0	0	Methyl propyl ketone	S	-	0
Lithium salts	S	S	-	Methyl pyrrolidone	S	-	S
Linoleic acid	S	S	-	Methylene bromide	0	0	
Lysol	S	-	0	Methylene chloride	0	0	U
				Methylene iodide	0	0	
M				Milk	S	S	S
Machine oil	S	S	0	Mineral oils	0	0	U
Magnesium salts	S	S	S	Molasses			
Magnesium carbonate	S	S	S	Mixed acids			
Magnesium chloride	S	S	S	(sulfuric & nitric)	U	U	U
Magnesium fluosilicate	S	-	S	(sulfuric & phosphoric)	S	S	0
Magnesium hydroxide	S	-	S	Monochloroacetic acid	S	-	S
Magnesium iodine	S	-	S	ethyl ester	S	-	S
Magnesium sulphate	S	S	S	methyl ester	S	-	S
Magnesium nitrate	S	S	S	Monochlorobenzene	U	U	U
Maleic acid aq., 50-100%	S	S	S	Monoethanolamine			
Malic acid 50%	S	S	S	Morpholine	S	-	S
Manganese sulphate	0	0	S	Motor oil	S	S	S
Margarine	S	S	S	Mustard	S	-	S
Mash	S	S	S				
Mayonnaise	S	-	-	N			
Menthol	S	S	0	Nail varnish remover	S	-	0
Mercuric chloride	S	S	S	Naptha	0	U	U
Mercuric cyanide	S	S	S	Napthalene	S	0	0
Mercurous nitrate	S	S	S	Natural gas (wet)	S	S	S
Mercuric salts	S	S	S	Nickel chloride sat'd	S	S	S
Mercury	S	S	S	Nickel nitrate conc.	S	S	S
Metallic soaps, aq.	S	S	S	Nickel sulfate	S	S	S
Metallic mordants	S	-	-	Nickel salts	S	S	S
Methacrylate	S	-	S	Nicotine	S	-	S
Methacrylic acid	S	-	S	Nicotinic add	0	-	S
Methane	S	S	-	Nitric add 0'30%	S	S	S
Methanol	S	S	S	Nitric acid 30-50%	S	0	U
Methyl alcohol 100.	S	S	S	Nitric acid 70%	0	U	U
Methyl bromide	0	U	U	Nitric acid 95-98%	U	U	U
Methyl cellosolve	0	0	-	Nitric acid fuming	U	U	U
Methyl chloride	0	U	U	Nitrobenzene	U	U	U
Methyl chlorofoam	0	0	-	Nitrocellulose	S	-	-
Methyl benzene	0	-	U	Nitrotoluene	S	0	U
Methoxy butanol	S	-	0	Nitrous acid	S	0	U
Methoxybutyl				Nitrous oxide, gas	S	U	U
acetate (butoxyl)	S	-	0	Nitroglycerine	0	U	U
Methyl cyclohexane	0	0	U	Nitroglycol	-	-	-
Methyl cyclohexanone	S	0	-	Nitropropane	-	-	-
Methyl methacrylate	S	0	S	Nonyl alcohol	S	-	S
Methyl salicylate	S	-	0				
Methyl sulfate	S	-	S	O			
Methyl sulfuric add	S	-	S	Octane	S	S	S
Methyl ethyl				Octyl cresol	0	U	-
ketone, 100%	U	S	U	Oils and Fats	S	0	U
Methyl glycol	S	-	S	Oils vegetable	S	0	0

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Oils acid	S	0	0	Phosphates	S	S	S
Oleum	U	U	U	Photographic solutions	S	S	S
Olive oil	S	S	S	Phthalic anhydride	S	S	S
Optical brighteners	S	S	S	Picric acid	S	0	0
Orange juice	S	S	S	Pickoing bath			
Orthophosphoric acid 50%	S	S	S	Sulfuric acid	S	S	S
Orthophosphoric acid 85%	S	S	0	Hydrochloric acid	S	S	S
Oxalic acid dilute	S	S	S	Sulfuric-nitric	S	0	U
Oxalic acid sat'd	S	S	S	Pineapple juice	S	-	S
Oxygen, gas	S	S	S	Pine oil	0	U	U
Ozone	0	0	U	Pine oil	0	U	U
				Pine needle oil	S	-	0
P				Plasticizers	S	-	0
Palm oil	S	S	S	Plating solutions			
Palmitic acid 10%	S	S	S	Brass	S	S	S
Palmitic acid 70%	S	S	-	Cadmium	S	S	S
Palmityl alcohol	S	-	S	Chromium	S	S	S
Paraffin	0	0	0	Copper	S	S	S
Palm kernel oil	S	-	S	Gold	S	S	S
Paraformaldehyde	S	-	S	Indium	S	S	S
Peanut butter	S	S	S	Lead	S	S	S
Pentane	0	0	-	Nickel	S	S	S
Pentanol	S	-	S	Rhodium	S	S	S
Peracetic acid	S	-	-	Silver	S	S	S
Perchloric acid 20%	S	S	S	Tin	S	S	S
Perchloric acid 20-50%	S	S	0	Zinc	S	S	S
Perchloric acid 70%	S	0	U	Polyester plasticizers	S	-	0
Perchloroethylene	0	0	U	Polyester resins	0	-	U
Pepper (fresh ground)	S	S	S	Polyglycols	S	-	S
Peppermint oil	0	U	U	Potash	S	S	S
Perfume oils	0	U	U	Potash, alum. aq.	S	-	S
Petroleum (sour, refined)	S	0	0	Potassium alkyl zanthates	-	-	-
Petroleum ether	S	-	0	Potassium bicarbonate	S	-	S
Petroleum jelly	S	S	S	Potassium bichromate	S	-	S
Phenol	S	0	S	Potassium bisulphate	S	-	S
Phenolic resins				Potassium borate	S	S	S
(molding mach.)	S		S	Potassium bromate	S	S	S
Phenylcarbinol	-	-	-	Potassium bromide	S	S	S
Phenylethylalcohol	S	-	S	Potassium carbonate	S	S	S
Phenyhydrazine				Potassium chlorate	S	S	S
(hydrochloride)	0	0	U	Potassium chloride	S	S	S
Phenylsulphonate	S	-	S	Potassium chromate	S	S	S
Phosgene gas	U	0	-	Potassium cyanide	S	S	S
Phosgene liquid	U	U	U	Potassium dichromate	S	S	S
Phosphorus oxychloride	S	S	0	Potassium (ferri/ferro)			
Phosphorus pentoxide	S	S	S	cyanide	S	S	S
Phosphorus trichloride	S	S	0	Potassium fluoride	S	S	S
Phosphoric acid 0-30%	S	S	S	Potassium hydroxide	S	S	S
Phosphoric acid 30-90%	S	S	S	Potassium hypochlorite	S	S	S
Phosphoric acid (over 90%)	S	S	S	Potassium hydrogen			
Phosphorus, yellow	-	-	-	carbonate	S	-	S
Phosphorus, red	-	-	-				

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Potassium hydrogen sulfate sat'd	S	-	S	Silicic acid	S	S	S
Potassium hydrogen sulfide	S	-	S	Silicone, oil	S	0	0
Potassium iodide	S	-	S	Silver, acetate	S	S	S
Potassium nitrate	S	S	S	Silver, cyanide	S	S	S
Potassium orthophosphate	S	-	S	Silver, nitrate	S	S	S
Potassium perchlorate	S	S	S	Silver salts	S	S	S
Potassium perborate	S	S	S	Soap solution conc.	S	S	S
Potassium permanganate 0-25%	S	S	S	Sodium acetate aq.	S	S	S
Potassium persulphate	S	S	S	Sodium aluminum sulphate	S	-	S
Potassium salts	S	S	S	Sodium benzoate	S	S	S
Potassium sulphate	S	S	S	Sodium bicarbonate	S	S	S
Potassium sulfide	S	S	S	Sodium bisulphate	S	S	S
Potassium sulfite	S	-	S	Sodium Bisulphite aq.	S	S	S
Potassium tetracyanocuprate	S	-	S	Sodium borate	S	S	S
Potassium thiosulphate	S	-	S	Sodium bromide	S	S	S
Propane gas	S	S	S	Sodium carbonate	S	S	S
Propargyl alcohol	S	-	S	Sodium chlorate	S	S	S
Propionic acid	S	-	S	Sodium chloride	S	S	S
Propyl alcohol	S	S	S	Sodium chlorite	S	S	S
Propylene dichloride	0	-	U	Sodium chromate	S	-	S
Propylene glycol	S	S	S	Sodium cyanide	S	S	S
Propylene oxide	S	-	S	Sodium dichromate	S	-	S
Prussic acid	S	S	S	Sodium dichromate, acid	S	0	-
Pseudocumene	0	-	0	Sodium dodecylbenzene	S	-	S
Pyridine	S	0	0	Sulphonate			
Pyrogalllic acid	-	-	-	Sodium ferricyanide	S	S	S
Pulp mill water	S	S	-	Sodium ferrocyanide	S	S	S
				Sodium fluoride	S	S	S
				Sodium hexacyanoferrate	S	-	S
				Sodium hydrogen carbonate	S	-	S
Q				Sodium hydrogen phosphate	S	-	S
Quinine	S	-	S	Sodium hydrogen sulfite	S	-	S
Quinol (hydroquinone)	S	-	S	Sodium hydroxide conc.	S	S	S
				Sodium hypochlorite	S	S	S
R				Sodium nitrate	S	S	S
Rayon coagulating bath	S		S	Sodium orthophosphate	S	-	S
Resorcinol	S	S	S	Sodium perborate	S	-	0
Rubber dispersions (latexes)	S	S		Sodium perchlorate	S	-	S
				Sodium peroxide 10%	S	-	S
S				Sodium peroxide aq., sat'd.	0	-	-
Sagrotan	S	-	0	Sodium phosphate	S	-	S
Salenic acid	S	-	0	Sodium salts, aq.	S	S	-
Salicylic acid	S	S	S	Sodium silicate	S	-	S
Saturated steam cond.	S	-	S	Sodium sulphate	S	S	S
Sauerkraut	S	-	S	Sodium sulfide	S	S	S
Salicylaldehyde	S	S	-	Sodium sulfite	S	-	S
Sea water	S	S	S	Sodium thiosulphate	S	S	S
Selenic acid	S	S	S	Soft soap	S	-	S
Sewage, residential	S	S	-	Soybean oil	S	-	S
Shortening	S	S	S	Spindle oil	0	-	0

COMPATIBILITY RATING

	73°F (23°C)	120°F (48.9°C)	140°F (60°C)		73°F (23°C)	120°F (48.9°C)	140°F (60°C)
Stain removers	0	-	0	Triethanolamine	S	0	0
Stannic chlorides	S	S	S	Triethylene glycol	S	-	S
Stannous chloride	S	S	S	Trimethyl propane	0	0	
Starch solutions	S	S	S	Trimethylol propane aq.	S	-	S
Stearic acid 100%	S	S	0	Tri-B chloroethyl phosphate	S	-	S
Styrene	0	-	U	Trioctyl phosphate	S	-	0
Stoddard solvent	S	0	-	Trisodium phosphate	S	-	S
Succinic acid	S	-	S	Turpentine	0	U	U
Sulfur dioxide, dry	S	S	S	Tutogen U	S	S	
Sulfur dioxide, wet	S	S	0	Tween 20 & 80	S	-	U
Sulfite liquor	S	S	-	Two-stroke engine oil	S	0	
Sulfur	S	S	S				
Sulfuric acid 0-50%	S	S	S	U			
Sulfuric acid 70%	S	S	0	Ursa (to 33%)	S	S	S
Sulfuric acid 80%	S	0	U	Uric acid	S	-	S
Sulfuric acid 96%	0	U	U	Urine	S	S	S
Sulfuric acid 90%, conc.	0	U	U				
Sulfuric acid fuming	U	U	U	V			
Sulfurous acid	S	S	S	Vanilla extract	S	S	S
Sulfuric ether	0	-	0	Vaseline	S	S	0
Sulfur trioxide	U	U	U	Vegetable oils	S	S	S
Sulfuryl chloride	U	-	-	Vinegar	S	S	S
Syrups & sugars	S	S	S	Vinyl acetate	S	-	S
T				W			
Tall oil	S	S	-	Walnut oil	S	-	0
Tallow, pure	S	S	S	Water (distilled)	S	S	S
Tannic acid	S	S	S	Water			
Tanning liquors	S	S	-	(fresh, mine, salt, tap)	S	S	S
Tartaric acid, aq.	S	S	S	Wax alcohols	0	-	0
Tea	S	S	S	Waxes	S	-	0
Tetrabromoethane	U	U	U	Wetting agents	S	S	S
Tetrachloroethane	U	U	U	Whey	S	-	S
Tetrachloroethylene	-	-	-	Whiskey	S	S	S
Tetraethyl lead	-	-	-	Wines	S	S	S
Tetrahydrofuran	U	U	U	Wood stains	S	-	0
Tetralln							
(retrahydrophthalene)	S	-	U	X			
Thioglycollic acid	S	-	S	Xylene	U	U	U
Thionyl chloride	U	U	U				
Thiophene	0	-	U	y			
Thread cutting oil	-	-	-	Yeast	S	S	S
Terpineol	-	-	-				
Toluene	U	U	U	Z			
Toluene-kerosene 25-75%	0	U	U	Zinc carbonate	S	S	S
Tomato juice	S	S	S	Zinc chloride	S	-	S
Transformer oil	S	0	0	Zinc oxide	S	-	S
Tributyl citrate	0	0		Zinc salts, aq., all	S	S	S
Tributyl phosphate	0	U	S	Zinc sulfate	S	-	S
Trichloroacetic acid, pure	S	S	U	Zinc sludge	S	-	S
Trichloroacetic acid, 50%	S	0	U	Zinc stearate	S	-	S
Tricresyl phosphate	0	0	S				

The preceding information described general chemical resistance only. Since other factors such as permeation, ESCR, and systems design are involved, full compatibility testing is recommended.

For additional information, see Plastic Pipe Institute, Technical Report #TR-19/91, "Thermoplastic Piping for the Transport of Chemicals".