

The chemical compatibility ratings and data in these tables were obtained from reliable published sources. This information should be used as a preliminary guide however, and not as the basis for a final decision. The specific service conditions and part design involved in a new projected use may grossly affect the performance of the article in a chemical environment. It is normally advisable to run laboratory tests employing specimens resembling the actual parts and exposed to conditions of the end-use environment your product must encounter.

In the following table, overall chemical exposure performance is evaluated through the use of three rating symbols: C, LC, and NC - which have the following significance:

<b>C</b>	<b>Compatible</b>	Little or no noticeable effect, with no indication that serviceability is impaired.
<b>LC</b>	<b>Limited Compatibility</b>	Noticable effect, but not necessarily indicating a lack of serviceability or useful life. Further testing is recommended in the specific application.
<b>NC</b>	<b>Not Compatible</b>	Severe effect (up to dissolution of product) and is not recommended for service applications.

Reagent	Exposure		Chemical Exp. Performance
	TEMP/°F	TIME/DAYS	
Acetic Acid 5%	77	365	C
Acetic Acid 10%	77	365	LC
Acetic Acid 100%	77	365	NC
Acetone			NC
Acetophenone			NC
Adrenalin Hydrochloride			C
Adrenalin in oil			LC
Allyl Alcohol			NC
Aluminum Chloride (Sat.)	122	365	C
Aluminum Sulphate (Sat.)	122	365	C
Ammonia			C
Ammonium Hydroxide	122	365	C
Amyl Alcohol			NC
Amyl Acetate-n			NC
Amyl Phthalate			NC
Amseed Oil			NC
Aspirin (powder)			C
Atropine Sulphate			C
Barium Carbonate (powder)	122	365	C
Beef			C
Benzaldehyde			NC

Benzedrine			C
Benzene			NC
Benzoic Acid	122	365	C
Benzyl Acetate			NC
Borax (Sat.)	122	365	C
Boric Acid	122	365	C
Bromine Liquid			NC
Butter			NC
Butyl Acetate iso			NC
Butyl Acetate n			NC
Butyl Alcohol iso	77	365	C
Butyl Alcohol n			C
Butyl Phthalate			NC
Caffeine			C
Calcium Hypochloride 15%			LC
Calcium Hypochlorite			NC
Camphor			LC
Carbon Tetrachloride			NC
Carbolic Acid 50%			LC
Carbolic Acid 100%			NC
Cassia Oil			NC
Castor Oil			C
Cedarwood Oil			NC
Cellosolve			NC
Cellulose Acetate	122	365	NC
Cetyl Alcohol	77	365	C
Cherries Processed			C
Chlorobenzene			NC
Chloroform			NC
Chlorine			NC
Chromic Acid 20%			C
Citric Acid 10%	77	365	C
Citric Acid 20%			LC
Cocoa Butter			LC
Cod Liver Oil			LC
Coconut Oil			LC
Coffee Solution	122	365	C
Copper Sulphate	77	10	LC
Corn Oil			LC

Cottonseed Oil			LC
Cyclohexanol	77	365	C
Cyclohexanone			NC
Decalin			NC
Detergents			LC
Diacetone			LC
Dibutyl Sebacate			NC
Dichlorobenzene-o			NC
Dichlorobenzene-p			NC
Diethylene Glycol	122	365	C
Diethylketone	122	365	C
Dimethyl Phthalate			NC
Ethyl Acetate 98%			NC
Ethyl Alcohol 95%	77	365	LC
Ethyl Benzene			NC
Ethyl Benzoate			NC
Ethyl Chloride (Gas and Liquid)			NC
Ethyl Ether			NC
Ethyl Lactate			NC
Ethylene Dichloride			NC
Ethylene Glycol			C
Ethylene Oxide			NC
Ferrous Chloride	122	365	C
Formaldehyde			NC
Formic Acid 90%			LC
Furfuryl Alcohol			NC
Gasoline			NC
Glucose 30%			C
Glycerine	77	240	C
Heptyl Alcohol-n			C
Hexane			NC
Hexyl Alcohol-n			C
Horseradish			LC
Honey			C
Hydrochloric Acid 10%	77	365	C
Hydrochloric Acid 38%			LC
Hydrochloric Acid 100%			NC
Hydrogen Peroxide 30%			C
Hydroquinone			LC

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Iodine Tincture			LC
Isopropyl Alcohol	77	365	LC
Kerosene			NC
Lactic Acid 10%			NC
Lard			NC
Lauryl Alcohol			C
Lead Arsenate			LC
Lead Nitrate	122	365	C
Lemon Juice			NC
Lime Water			C
Lipstick			LC
Magnesium Carbonate	122	365	C
Maleic Acid 10%	77	365	C
Mercuric Chloride 5%	122	365	C
Mesityl Oxide			NC
Methyl Acetate			NC
Methyl Alcohol			LC
Methyl Chloride			NC
Methyl Ethyl Ketone			NC
Methyl Isobutyl Ketone			NC
Methyl Propyl Ketone			NC
Methyl Salicylate (Oil of Wintergreen)			NC
Methylene Chloride			NC
Milk	77	14	C
Mineral Oil			C
Mono-Chloro Benzene			NC
Motor Oil			LC
Mustard			LC
Nitric Acid 20%			NC
Nitroglycerine			C
Nonyl Alcohol			C
Octyl Alcohol			C
Oils-Essential			NC
Oleic Acid 100%	7	365	LC
Orange Juice Fresh			LC
Orange Juice Concentrate			C
Oxalic Acid 10%	122	365	C
Ozone (absence of light)			C
Palm Oil			LC

Palmitic Acid	77	365	LC
Peanut Oil			NC
Pectin (Sat.)			C
Petroleum Jelly	122	365	C
Phenol 5%			LC
Phosphoric Acid 50%	122	365	C
Phosphorous (white)			LC
Potassium Hydroxide 30%	77	365	C
Potassium Hydroxide 35%	77	365	LC
Potassium Bromide 3%	77	365	LC
Potassium Ferricyanide	122	365	C
Potassium Iodide (Sat.)	122	365	C
Potassium Permanganate	122	365	LC
Propyl Alcohol (iso)	77	365	LC
Propylene Dichloride			NC
Propylene Glycol	122	365	C
Pyrogallic Acid	77	365	LC
Resorcinol Crystals			C
Rubber			C
Salicylic Acid (sat.)	122	365	C
Silver Nitrate (sat.)	122	365	C
Sodium Acetate (sat.)	122	365	C
Sodium Benzoate	122	365	C
Sodium Bicarbonate	122	365	C
Sodium Bisulphite (sat.)	122	365	LC
Sodium Borate			C
Sodium Bromide	122	365	C
Sodium Carbonate (sat.)	122	365	LC
Sodium Chloride (sat.)	122	365	LC
Sodium Dichromate 10%			LC
Sodium Fluoride 5%			LC
Sodium Hydroxide 40%	77	30	C
Sodium Hypochlorite 15%			C
Sodium Tetraborate (Borax)	122	365	C
Stannic Chloride			C
Stearic Acid (powder)	122	365	C
Sucrose 30%			C
Sulphur			C
Sulphuric Acid 50%			C

Sulphuric Acid 96%			NC
Tannic Acid 2%			NC
Tea (Sol.)			C
Tetrahydrofurfuryl Alcohol			NC
Tetralin			NC
Titanium Tetrachloride			NC
Toluene			NC
Trichloroethylene			NC
Triethylene Glycol			C
Triethylene Tetramine			LC
Turpentine			NC
Water			C
Water Carbonated			C
Witch Hazel Distilled			C
Worcestershire Sauce			C
Zinc Carbonate	122	365	C
Zinc Chloride 50%	122	365	C
Zinc Stearate	122	365	C
Xylene			NC
Acetic acid 50%	68		C
Acetic anhydride	68		NC
Acetonitrile	68		NC
Acetyl alcohol	68		C
Acrylonitrile	68		NC
Adhesive, water soluble	68		C
Aluminium acetate solution	68		C
Anhydrite	68		C
Aniline	68		NC
Animal oils and fats	68		LC
Benzyl alcohol	68		NC
Bitumen, solvent-free (air-blown)	68		C
Bleach liquor (12% chlorine)	68		C
Butadiene	68		NC
Butane	68		NC
Butanol	68		C
n-Butyl alcohol	68		C
Calcium hypochlorite solution	68		C
Carbon dioxide	68		C
Carbon monoxide	68		C

Carbonic acid	68	C
Caustic soda solution	68	C
Cement	68	C
Chlorofluorocarbons:	68	
– Difluorodichloromethane	68	NC
– Difluoromonochloromethane	68	NC
– Monofluorotrichloromethane	68	NC
– Monofluorodichloromethane	68	NC
– Trifluorotrichloroethane	68	NC
– Tetrafluorodichloroethane	68	NC
Common salt	68	C
Cyclohexane	68	NC
Decahydronaphthalene	68	NC
Dibutyl phthalate	68	NC
Diesel oil	68	LC
Diethyl ether	68	NC
Diethyl ketone	68	NC
Dimethyl formamide	68	NC
1,4 Dioxane	68	NC
Dwarf pine oil	68	NC
Ethane	68	NC
Ethanol	68	C
Ether (di ethyl ether)	68	NC
Fertiliser salts	68	C
Glycerol	68	C
Glycol ether	68	NC
Glycols	68	C
Gypsum	68	C
Heavy gasoline	68	NC
Heptane	68	NC
Hexachlorocyclohexane	68	NC
Humic acid	68	C
Hydrochloric acid up to 35%	68	C
Hydrofluoric acid 40%	68	C
Hydrogen peroxide 3%	68	C
Isobutanol	68	C
Isopropanol	68	C
Lactic acid	68	C
Lanolin	68	LC

Light gasoline	68	NC
Lime	68	C
Linseed oil	68	LC
Mercury	68	C
Methane	68	NC
Methanol	68	C
Methyl isopropyl ketone	68	NC
Naphthalene (vapour)	68	NC
Nitric acid 30%	68	C
Nitrogen	68	C
Noble gases	68	C
Olive oil	68	LC
Paints, water soluble	68	C
Paraffin oil	68	LC
Pentane	68	NC
Perchloroethylene (tetrachloroethylene)	68	NC
Petrol, super grade	68	NC
Petroleum	68	NC
Petroleum ether	68	NC
Phosphoric acid 87%	68	C
Propane liquid	68	NC
i-Propyl alcohol	68	C
n-Propyl alcohol	68	C
Propylene	68	NC
Propylene chloride	68	NC
Pyridine	68	NC
Sand	68	C
Seawater	68	C
Silicone oil	68	C
Soda (NaOH) solution	68	C
Sodium carbonate solution	68	C
Sodium chloride solution	68	C
Sodium chromate solution	68	C
Sodium hydrosulphite	68	C
Sodium phosphate solution (dibasic)	68	C
Sodium phosphate solution (tribasic)	68	C
Sodium sulphite solution	68	C
Special boiling point spirits	68	NC
Styrene	68	NC



Sugar solution 30%	68	C
Sulphur dioxide	68	NC
Sulphuric acid 50%	68	C
Sulphuric acid up to 95%	68	LC
Tartaric acid solution	68	C
Tetrachloroethane	68	NC
Tetrahydrofuran	68	NC
Tetrahydronaphthalene	68	NC
Trichlorobenzene	68	NC
Trichloroethane	68	NC
Trichloropheno	68	NC
Tricresyl phosphate	68	NC
Triethylamine	68	NC
Triglycol acetate	68	NC
Vaseline	68	NC
Vegetable oils and fats	68	LC to C
Vinegar, table	68	C
Water paints	68	C
Water glass	68	C
Wax (bleached)	68	C
White spirit	68	NC