

MSPE - compatibility chart

Solvent	Nylon	PTFE	MCE	PES	CA	PVDF
Acetic acid, 25%	R	R	N	R	R	R
Acetic acid, glacial	L	R	N	R	N	R
Acetone	R	R	N	N	N	N
Acetonitrile	R	R	N	L	N	L
Ammonium Hydroxide, 25%	R	R	N	R	R	L
Amyl Acetate/Butyl Acetate	R	R	N	N	L	N
Amyl Alcohol/Butanol	R	R	N	R	R	R
Aniline	L	R	N	L	N	L
Benzyl Alcohol	R	R	R	R	L	R
Benzyl Benzoate	R	R	N	N	R	L
Cyclohexanone	R	R	N	N	N	N
Diethylacetamide	R	R	N	L	N	L
Dimethylformamide	L	R	N	N	N	N
Dimethylsulfoxide (DMSO)	R	R	N	N	N	N
Dioxane	R	R	N	N	N	L
Ethanol, 70%	L	R	R	R	R	R
Ethanol, 98%	R	R	L	R	R	R
2-Ethoxyethyl Acetate	N	R	N	N	L	L
Ethyl Acetate/Methyl Acetate	R	R	N	N	N	R
Ethyl Ether	R	R	L	R	R	R
Ethylene Glycol	R	R	L	R	R	R
Formaldehyde, aqueous solution, 30%	R	R	R	R	R	R
Formic acid, 25%	N	R	L	L	L	L
Freon	R	R	R	L	R	R
Glycerol	R	R	R	R	R	R
Hexane/Xylene	R	R	R	N	R	L
Hydrogen Peroxide, 30%	R	R	R	L	R	L
Hydrochloric acid, 25%	N	R	N	R	N	R
Hydrochloric acid, concentrated	N	R	N	R	N	R

R = Recommended

N = Not recommended

L = Limited resistance / Not tested
(Testing before use is recommended)

Nylon – nylon

PTFE - polytetrafluoroethylene

MCE - mixture of cellulose esters

PES - polyethersulfone

CA - cellulose acetate

PVDF - polyvinylidene fluoride



	Nylon	PTFE	MCE	PES	CA	PVDF
Chloroform	R	R	R	N	N	R
Isopropanol	R	R	L	R	R	R
Isopropyl Ether	L	R	N	R	R	R
Isopropyl Myristate	R	R	N	N	R	L
Isopropylacetone	R	R	N	N	R	N
Kerosine/Gasoline	R	R	R	L	R	L
Methanol, 98%	R	R	N	R	R	R
2-Methoxyethyl Acetate	N	R	N	N	N	L
Methyl Ethyl Ketone	R	R	N	N	L	L
Methyl Isobutyl Ketone	L	R	N	N	L	L
Methylene Chloride	L	R	N	N	N	R
Monochlorobenzene	R	R	N	L	R	R
Nitric acid, 25%	N	R	R	R	N	R
Nitric acid, concentrated	N	R	N	N	N	R
Phenol, aqueous solution, 10%	L	R	R	N	N	L
Phosphoric acid, 25%	N	R	L	L	R	L
n-Propanol	R	R	L	R	R	R
Propyl Acetate	R	R	N	N	L	N
Propylene Glycol	R	R	L	R	L	R
Propylene Glycol Acetate	N	R	N	N	N	L
Pyridine	R	R	N	N	N	L
Silicone Oil/Mineral Oil	L	R	R	R	R	R
Sodium Hydroxide, 25%	R	R	N	R	L	R
Sulfuric acid, 25%	N	R	R	R	R	R
Sulfuric acid, concentrated	N	R	N	N	N	N
Tetrahydrofuran	R	R	N	N	N	L
Tetrachloromethane	R	R	R	N	L	R
Tetraline/Decaline	L	R	N	L	L	R
Toluene/Benzene	R	R	R	N	L	R
Tricresyl Phosphate	N	R	N	N	R	L
Triethanolamine	R	R	L	L	R	L
Triethanolamine	R	R	L	L	R	L
Trichloroacetic acid, 25%	N	R	L	L	R	L
Trichloroethylene	R	R	R	N	R	R

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