

MSPE - compatibility chart

	Nylon	PTFE	MCE	PES	CA	PVDF
ACIDS						
Acetic acid, glacial	L	R	N	R	N	R
Acetic acid, 25%	R	R	N	R	R	R
Hydrochloric acid, concentrated	N	R	N	R	N	R
Hydrochloric acid, 25%	N	R	N	R	N	R
Sulfuric acid, concentrated	N	R	N	N	N	N
Sulfuric acid, 25%	N	R	R	R	R	R
Nitric acid, concentrated	N	R	N	N	N	R
Nitric acid, 25%	N	R	R	R	N	R
Phosphoric acid, 25%	N	R	L	L	R	L
Formic acid, 25%	N	R	L	L	L	L
Trichloroacetic acid, 25%	N	R	L	L	R	L
ALCOHOLS						
Methanol, 98%	R	R	N	R	R	R
Ethanol, 98%	R	R	L	R	R	R
Ethanol, 70%	L	R	R	R	R	R
Isopropanol	R	R	L	R	R	R
n-Propanol	R	R	L	R	R	R
Amyl Alcohol/Butanol	R	R	N	R	R	R
Benzyl Alcohol	R	R	R	R	L	R
Ethylene Glycol	R	R	L	R	R	R
Propylene Glycol	R	R	L	R	L	R
Glycerol	R	R	R	R	R	R
BASES						
Ammonium Hydroxide, 25%	R	R	N	R	R	L
Sodium Hydroxide, 25%	R	R	N	R	L	R
AMINES AND AMIDES						
Dimethylformamide	L	R	N	N	N	N
Diethylacetamide	R	R	N	L	N	L
Triethanolamine	R	R	L	L	R	L
Aniline	L	R	N	L	N	L
Pyridine	R	R	N	N	N	L
Acetonitrile	R	R	N	L	N	L

R = Recommended

N = Not recommended

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

Nylon – nylon

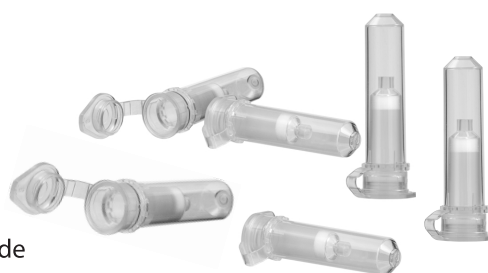
PTFE – polytetrafluoroethylene

MCE – mixture of cellulose esters

PES – polyethersulfone

CA – cellulose acetate

PVDF – polyvinylidene fluoride



	Nylon	PTFE	MCE	PES	CA	PVDF
ESTERS						
Ethyl Acetate/Methyl Acetate	R	R	N	N	N	R
Amyl Acetate/Butyl Acetate	R	R	N	N	L	N
Propyl Acetate	R	R	N	N	L	N
Propylene Glycol Acetate	N	R	N	N	N	L
2-Ethoxyethyl Acetate	N	R	N	N	L	L
2-Methoxyethyl Acetate	N	R	N	N	N	L
Benzyl Benzoate	R	R	N	N	R	L
Isopropyl Myristate	R	R	N	N	R	L
Tricresyl Phosphate	N	R	N	N	R	L
HALOGENATED HYDROCARBONS						
Methylene Chloride	L	R	N	N	N	R
Chloroform	R	R	R	N	N	R
Trichloroethylene	R	R	R	N	R	R
Monochlorobenzene	R	R	N	L	R	R
Freon	R	R	R	L	R	R
Tetrachloromethane	R	R	R	N	L	R
HYDROCARBONS						
Hexane/Xylene	R	R	R	N	R	L
Toluene/Benzene	R	R	R	N	L	R
Kerosine/Gasoline	R	R	R	L	R	L
Tetraline/Decaline	L	R	N	L	L	R
KETONES						
Acetone	R	R	N	N	N	N
Cyclohexanone	R	R	N	N	N	N
Methyl Ethyl Ketone	R	R	N	N	L	L
Isopropylacetone	R	R	N	N	R	N
Methyl Isobutyl Ketone	L	R	N	N	L	L
OXIDES - ETHERS						
Ethyl Ether	R	R	L	R	R	R
Dioxane	R	R	N	N	N	L
Tetrahydrofurane	R	R	N	N	N	L
Triethanolamine	R	R	L	L	R	L
Dimethylsulfoxide (DMSO)	R	R	N	N	N	N
Isopropyl Ether	L	R	N	R	R	R
OTHERS						
Phenol, aqueous solution, 10%	L	R	R	N	N	L
Formaldehyde, aqueous solution, 30%	R	R	R	R	R	R
Hydrogen Peroxide, 30%	R	R	R	L	R	L
Silicone Oil/Mineral Oil	L	R	R	R	R	R

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N = Not recommended

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(Testing before use is recommended)