

MSPE Compatibility (by solvent types)

| | 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 |



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| 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 |



MSPE Compatibility (solvents in alphabetical order)

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|-------------------------------------|--------------|-------------|------------|------------|-----------|-------------|
| 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 |
| 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 |



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| | Nylon | PTFE | MCE | PES | CA | PVDF |
|-------------------------------|--------------|-------------|------------|------------|-----------|-------------|
| 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 |
| Tetrahydrofurane | 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 |

Nylon nylon
 PES polyethersulfone
 PTFE polytetrafluoroethylene
 CA cellulose acetate
 MCE mixture of cellulose esters
 PVDF polyvinylidene fluoride

R Recommended
 N Not recommended
 L Limited resistance / Not tested
 (Testing before use is recommended)

