

Solvent/Membrane Compatibility

Solvent/Membrane Compatibility								
Solvents	NYLON	PTFE	PVDF	PP	PES	CELLULOSE - ACETATE	REG. CELLULOSE	MCE
Acids								
Acetic, Glacial	L	C	C	C	C	N	C	N
Acetic, 25%	C	C	C	C	C	C	C	N
Formic, 25%	N	C	C	C	C	L	C	-
Hydrochloric, 25%	N	C	C	C	C	N	N	L
Nitric, 25%	N	C	C	C	L	N	N	N
Phosphoric, 25%	N	C	C	C	C	C	L	N
Sulfuric, 25%	N	C	C	C	C	N	N	-
Trichloroacetic, 10%	N	C	-	C	C	C	C	-
Alkalides								
Ammonium Hydroxide, 25%	C	C	C	C	C	C	L	N
Sodium Hydroxide 3 Normal	C	C	C	N	C	N	L	N
Alcohols								
Amyl Alcohol, Butanol	C	C	L	C	C	C	C	N
Benzyl Alcohol	C	C	C	C	N	L	C	N
Ethanol, 70%	C	C	C	C	L	C	C	C
Ethanol, 98%	C	C	C	C	C	C	C	C
Ethylene Glycol	C	C	C	C	C	C	C	C
Glycerol	C	C	C	C	C	C	C	C
Isopropal, n-Propanol	C	C	C	C	C	C	C	C
Methanol, 98%	C	C	C	C	C	C	C	N
Propylene Glycol	C	C	C	C	C	L	C	C
Hydrocarbons								
Hexane	C	C	C	L	N	C	C	C
Xylene	C	C	C	L	N	C	C	C
Toluene, Benzene	C	C	C	L	N	C	C	C
Halogenated hydrocarbon								
Carbon Tetrachloride	C	C	C	L	N	L	C	C
Chloroform	C	C	C	L	N	N	C	C
Methylene Chloride	L	C	C	L	N	N	C	C
Monochlorobenzene, Freon	C	C	C	L	L	C	C	C
Trichloroethylene	C	C	C	L	N	C	C	C

N = Not Compatible
 C = Compatible
 L = Limited Compatibility
 - = No data Available

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Ketones								
Acetone,	C	C	C	C	N	N	C	C
Cyclohexanone	C	C	C	C	N	N	C	N
Isopropylacetone	C	C	N	-	N	C	-	C
Methyl Ethyl Ketone	C	C	L	C	N	L	C	N
Methyl Isobutyl Ketone	C	C	N	L	N	C	C	C
Esters								
2-Ethoxylate Acetate	L	L	L	-	N	L	C	L
Amyl Acetate	C	C	C	L	N	L	C	N
Benzyl Benzoate	C	C	-	-	N	C	C	C
Butyl Acetate	C	C	C	L	N	L	C	N
Ethyl acetate	C	C	C	L	N	N	C	N
Isopropyl Myristate	C	C	-	-	N	C	C	C
Methyl Acetate	L	C	L	L	N	N	C	L
Methyl Cellulose Acetate	L	N	C	L	N	N	C	L
Propyl Acetate	L	C	-	L	N	N	C	L
Propylene Glycol Acetate	C	C	C	C	N	N	C	C
Tricresyl Phosphate	-	C	-	-	N	C	C	-
Oxides – Ethers								
Acetonitrile (Methyl Cyanide)	C	C	C	C	N	N	C	C
Aniline	L	C	C	L	N	N	C	L
Diethyl Acetamide	C	C	C	-	-	N	C	C
Dimethyl Formamide	C	C	N	C	N	N	L	C
Dimethyl Sulfoxide (DMSO)	L	C	C	C	N	N	L	N
Dioxane	C	C	L	C	N	N	L	C
Ethyl Ether	C	C	C	L	C	L	C	C
Isopropyl Ether	C	C	N	C	C	C	-	C
Pyridine	C	C	L	L	N	N	C	C
Solvents with Nitrogen								
Tetrahydrofuran	C	C	L	C	N	N	L	N
Triethanolamine	C	C	C	-	-	C	C	C
Miscellaneous								
Formaldehyde Solution, 30%	C	C	C	C	C	L	L	C
Hydrogen Peroxide, 30%	N	C	C	C	C	C	C	C
Phenol, Aqueous, 10%	N	C	L	C	N	N	C	C
Silicone Oil & Mineral Oil	C	C	C	C	C	C	C	C