

CHEMICAL COMPATIBILITY CHART

Material Key:

AG	Silver
CA	Cellulose Acetate
GF	Glass Fiber
HDP	High Density Polyethylene (HDPE)

MCE	Nitrocellulose (MCE)
NY	Nylon
PCT	Polycarbonate (PCTE)
PES	Polyethersulfone (PES)

PET	Polyester (PETE)
PP	Polypropylene (PP)
PTL	PTFE (Laminated)
PTU	PTFE (Unlaminated)

PVD	Polyvinylidene Fluoride (PVDF)
SS	Type 316 Stainless Steel

ACIDS	AG	CA	GF	HDP	MCE	NY	PCT	PES	PET	PP	PTL	PTU	PVD	SS
Acetic Acid, 5%	R	R	R	R	R	R	R	R	R	R	R	R	R	T
Acetic Acid, 10%	R	N	R	R	N	L	R	R	R	R	R	R	R	L
Acetic Acid, Glacial	R	N	R	R	N	N	L	R	R	R	R	R	R	L
Boric Acid	R	R	R	R	R	L	R	T	R	R	R	R	T	T
Hydrochloric, 6N	R	L	R	R	N	N	R	R	L	R	R	R	T	R
Hydrochloric, Conc.	R	N	R	R	N	N	R	R	N	R	R	R	N	L
Hydrofluoric, 10%	R	N	T	R	N	N	R	T	R	R	R	R	N	T
Hydrofluoric, 35%	R	N	N	R	N	N	R	T	R	R	T	R	N	T
Nitric Acid, 6N	N	L	R	R	R	N	R	N	R	R	L	R	R	R
Nitric Acid, Conc.	N	N	R	N	N	N	R	N	N	R	N	R	N	L
Sulfuric Acid, 6N	N	L	L	R	R	N	R	T	R	R	L	R	T	L
Sulfuric Acid, Conc.	N	N	R	R	N	N	N	N	N	R	N	R	T	N
ALCOHOLS														
Amyl Alcohol	R	R	R	R	N	R	R	N	R	R	R	R	R	R
Benzyl Alcohol	R	L	R	N	R	L	L	N	R	R	R	R	R	R
Butyl Alcohol	R	R	R	R	R	R	R	R	R	R	R	R	R	T
Butyl Cellosolve	R	L	R	R	N	R	L	T	R	T	R	R	T	T
Ethyl Alcohol <80%	R	R	R	R	R	R	R	R	R	R	R	R	R	T
Ethyl Alcohol >80%	R	R	R	R	L	R	R	R	R	R	R	R	R	T
Ethylene Glycol	R	R	R	R	L	R	R	R	R	R	R	R	R	R
Glycerin (Glycerol)	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Isobutyl Alcohol	R	R	R	R	R	R	R	T	R	R	R	R	R	T
Isopropanol	R	R	R	R	L	R	R	R	R	R	R	R	R	R
Methanol	R	R	R	R	N	L	R	R	R	R	R	R	R	R
Methyl Cellosolve	R	L	N	T	L	R	N	T	R	R	R	R	R	T
Propanol	R	R	R	R	R	R	R	T	R	R	R	R	R	T
BASES														
Ammonium Hydroxide, 6N	R	N	R	R	N	N	N	R	L	R	R	R	R	R
Potassium Hydroxide, 6N	R	N	N	R	N	R	N	T	N	R	R	R	R	T
Sodium Hydroxide, 6N	R	N	T	R	N	N	N	R	L	R	R	R	R	R
SOLVENTS														
Acetone	R	N	N	R	N	R	L	N	R	R	R	R	N	R
Acetonitrile	T	N	R	R	N	R	L	R	R	R	R	R	L	R
Amyl Acetate	R	L	R	R	N	R	R	L	R	T	R	R	R	R
Aniline	R	N	R	R	N	R	N	R	R	L	R	R	R	T
Benzene	R	L	R	N	R	R	L	R	R	R	L	R	R	R
Bromoform	R	N	R	N	R	R	N	T	R	T	R	R	R	T
Butyl Acetate	R	L	T	R	N	R	R	L	R	R	R	R	T	R
Carbon Tetrachloride	R	L	R	N	R	R	L	R	R	L	L	R	R	L
Cellosolve	R	R	T	R	N	R	R	T	R	R	R	R	R	R

CHEMICAL COMPATIBILITY CHART

Material Key:

AG	Silver	MCE	Nitrocellulose (MCE)	PET	Polyester (PETE)	PVD	Polyvinylidene Fluoride (PVDF)
CA	Cellulose Acetate	NY	Nylon	PP	Polypropylene (PP)	SS	Type 316 Stainless Steel
GF	Glass Fiber	PCT	Polycarbonate (PCTE)	PTL	PTFE (Laminated)		
HDP	High Density Polyethylene (HDPE)	PES	Polyethersulfone (PES)	PTU	PTFE (Unlaminated)		

SOLVENTS	AG	CA	GF	HDP	MCE	NY	PCT	PES	PET	PP	PTL	PTU	PVD	SS
Cyclohexane	R	R	R	N	R	R	R	T	R	R	R	R	R	T
Cyclohexanone	R	N	R	R	N	R	L	N	R	T	R	R	N	R
Diethyl Acetamide	R	N	R	T	N	R	L	T	R	R	N	R	T	T
Dimethyl Formamide	R	N	R	R	N	R	N	N	R	R	R	R	N	R
Dimethyl Sulfoxide (DMSO)	T	N	R	R	N	R	N	N	R	R	R	R	N	R
Dioxane	R	N	R	R	N	R	N	L	R	R	R	R	R	T
Ethyl Ether	R	L	T	R	L	R	R	R	R	R	R	R	R	R
Ethylene Dichloride R L	R	L	T	R	L	R	N	T	R	N	R	R	R	L
Formaldehyde	R	L	R	R	N	R	R	R	R	R	R	R	R	R
Freon TF	R	R	R	R	R	R	R	R	R	R	R	R	R	T
Gasoline	R	R	R	L	R	R	R	T	R	R	R	R	R	T
Hexane	R	R	R	L	R	R	R	T	R	L	R	R	R	R
Isopropyl Acetate	R	N	T	R	N	R	R	T	R	R	R	R	R	R
Kerosene	R	R	R	L	R	R	R	T	R	R	R	R	R	R
Methyl Acetate	R	N	T	T	N	R	N	T	R	R	R	R	N	R
Methyl Ethyl Ketone (MEK)	R	N	R	R	N	R	L	N	R	R	R	R	N	R
Methyl Isobutyl Ketone	R	N	T	R	N	R	L	T	T	R	R	R	N	R
Methylene Chloride	R	N	R	L	N	N	N	N	N	L	L	R	N	R
Nitrobenzene	T	N	R	R	N	R	N	N	R	R	R	R	R	T
Pentane	R	R	R	L	R	R	R	R	R	R	L	R	R	T
Perchloroethylene	R	R	R	N	R	R	R	N	T	R	R	R	R	T
Pyridine	R	N	R	R	N	R	N	N	R	R	R	R	N	R
Tetrahydrofuran	R	N	R	R	N	L	N	N	R	R	L	L	N	R
Toluene	R	L	R	L	R	R	L	N	R	L	L	R	R	R
Trichloroethane	R	L	R	L	N	R	N	R	T	T	R	R	T	T
Trichloroethylene	R	R	R	N	R	R	N	R	R	R	L	L	R	R
Triethylamine	R	R	R	T	L	R	L	T	R	L	R	R	R	T
Xylene	R	R	R	L	R	R	R	L	R	L	L	R	R	R
MISCELLANEOUS														
Cottonseed Oil	R	R	N	R	R	R	R	T	T	T	R	R	R	R
Hydrogen Peroxide (30%)	R	R	R	R	R	R	R	T	R	R	R	R	R	T
Kodak KMER, FTFR	R	N	T	T	N	R	R	T	R	R	R	R	T	T
Peanut Oil	R	R	N	R	R	R	R	T	R	R	R	R	R	T
Petroleum Oils	R	T	R	R	R	T	R	L	R	L	T	R	R	T
Sesame Oil	R	R	R	R	R	R	R	T	R	R	R	R	R	T
Shipley (AS-111, 340, 1350)	R	N	T	T	N	R	R	T	R	R	R	R	T	T
Silicone Oils	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Turpentine	R	R	R	R	R	R	R	T	R	L	R	R	R	T
Silicone Oils	R	N	T	T	N	R	R	T	R	R	R	R	T	T