

Chemical Compatibility Chart

CHEMICAL	HOSE			FITTINGS			CHEMICAL	HOSE			FITTINGS					
	1	2	3	CS	SS	CA		1	2	3	CS	SS	CA			
Methyl cellosolve	B	B	B	*	*	*	Oils (most commercial)	B	B	B	*	*	*			
Methyl cellosolve acetate	C	C	C	*	*	*	Oxalic acid (<50%)	B	B	D	X	*	X			
Methyl chloride	See Special Chemiflex						X	*	X	Palm oil	B	B	B	*	*	*
Methyl cyanide	B	B	B	*	*	*	Paraffin wax	A	A	A	*	*	*			
Methyl cyclohexane	B	B	B	*	*	*	Paraldehyde	C	C	C	*	*	*			
Methylene bromide	C	C	D	*	*	*	Pentachloroethane	C	C	C	*	*	X			
Methylene chloride	C	C	C	*	*	*	1,3-Pentadiene	C	C	C	*	*	*			
Methyl ethyl ketone (MEK)	C	C	C	*	*	*	n-Pentane	B	B	B	*	*	*			
Methyl ethylpyridine	C	C	C	*	*	X	Pentanol	A	A	A	*	*	*			
2-Methyl-5-ethylpyridine	C	C	C	*	*	X	Pentanone	B	B	B	*	*	*			
Methyl formate	C	C	C	*	*	*	Pentene (all isomers)	B	B	B	*	*	*			
2-Methyl-2-hydroxy-3-butyne	C	C	C	*	*	X	Perchloric acid (<50%)	B	D	D	X	*	X			
Methyl isobutyl ketone	C	C	C	*	*	*	Perchloroethylene	C	C	C	X	*	*			
Methyl methacrylate	C	C	C	*	*	*	Petrolatum	A	A	A	*	*	*			
Methyl nitrobenzene	B	B	B	*	*	*	Petroleum	A	A	A	*	*	*			
Methyl pentene	B	B	B	*	*	*	Petroleum ether	C	C	C	*	*	*			
2-Methyl-1-pentene	C	C	C	*	*	*	Petroleum naphtha	C	C	C	*	*	*			
2-Methyl pyridine	B	B	B	*	*	*	Phenol	A	A	B	X	*	*			
4-Methyl pyridine	C	C	C	*	*	X	Phenoxyethanol	C	C	C	*	*	*			
n-Methyl-2-pyrrolidone	C	C	C	*	*	X	Phenylhydrazine	C	C	D	X	*	X			
Methyl salicylate	C	C	C	*	*	X	1-Phenyl-1-xylyl ethane	C	C	C	*	*	X			
o-Methylstyrene	B	B	B	*	*	*	Phosphoric acid (<95%)	A	A	D	X	*	X			
Methyl tert-butyl ether (MTBE)	C	C	C	*	*	*	Phosphorus (yellow or white)	D	D	D	X	X	X			
See also MTBE-Master							Phosphorus oxychloride	C	D	D			Polypropylene			
Mineral jelly	A	A	A	*	*	*	Phosphorus pentoxide	A	B	D	X	*	X			
Mineral oil	B	B	B	*	*	*	Phosphorus trichloride	B	D	D	X	*	X			
Mineral spirits	B	B	B	*	*	*	Phthalic acid (<50%)	B	B	D	X	*	X			
Molasses	A	A	A	*	*	*	Phthalic anhydride	D	D	D	X	X	X			
Monoethanolamine	A	A	B	*	*	*	Picric acid (1%)	B	B	D	X	*	X			
Monoethylamine	B	B	C	*	*	*	Pinene	B	B	B	*	*	*			
Monoisopropanolamine	B	B	D	*	*	*	Pine oil	B	B	B	*	*	*			
Mononitrobenzene	B	B	B	*	*	*	Plasticisers (most commercial)	B	B	B	*	*	*			
Morpholine	B	B	C	*	*	*	Polyethylene glycol	B	B	B	*	*	*			
Motor fuel anti-knock compounds (unleaded)	B	B	B	*	*	X	Polyethylene polyamines	C	C	D	X	*	X			
MTBE (See Methyl tert-butyl ether)							Polymethylene polyphenyl isocyanate	B	B	B	*	*	*			
Naphtha	B	B	B	*	*	*	Polypropylene glycol	B	B	B	*	*	*			
Naphtha solvent	C	C	C	*	*	*	Potassium halides	A	D	D	X	*	X			
Naphthalene solution	A	A	A	*	*	*	Potassium hydroxide solution	C	C	D	X	*	X			
Naphthalene (molten)	D	D	D	X	X	X	Potassium salts (excluding halides - saturated)	A	B	D	X	*	X			
Neodecanoic acid	C	C	D	*	*	X	n-Propanolamine	C	C	D	X	*	X			
Neohexane	B	B	B	*	*	*	Propenoic acid	B	B	D	X	*	*			
Nickel chloride (saturated)	A	D	D	X	*	X	β-Propiolactone	C	C	C	*	*	*			
Nickel salts (excluding chlorides - saturated)	A	B	D	X	*	X	Propionaldehyde	C	C	C	*	*	*			
Nitrating acid (mixture of sulphuric & nitric acids)	D	D	D	X	X	X	Propionic acid	B	B	D	X	*	*			
Nitric acid (<10%)	A	A	D	X	*	X	Propionic anhydride	C	C	D	X	*	*			
Nitric acid (10%-60%)	C	C	D	X	*	X	Propionitrile	C	C	C	*	*	X			
Nitric acid (>60%)	See Special Chemiflex						X	*	X	Propyl acetate	C	C	C	*	*	*
Nitrobenzene	B	B	B	*	*	X	Propyl alcohol	A	A	A	*	*	*			
o-Nitrophenol solution	A	A	D	*	*	*	Propylamine	B	B	D	*	*	*			
o-Nitrophenol (molten)	D	D	D	X	X	X	Propylene (tetramer & trimer)	C	C	C	X	*	*			
1- or 2-Nitropropane	B	B	B	*	*	*	Propylene dimer	C	C	C	*	*	X			
Nitropropane/nitroethane (60/40 mixture)	C	C	C	*	*	X	Propylene glycol	A	A	A	*	*	*			
o-Nitrotoluene	B	B	B	*	*	*	Propylene glycol monoethyl ether	B	B	B	*	*	*			
p-Nitrotoluene	D	D	D	X	X	X	Propylene glycol monomethyl ether	B	B	B	*	*	*			
Nonane	B	B	B	*	*	*	Propylene oxide (dedicated hose)	B	B	D	*	*	*			
Nonyl alcohol	B	B	B	*	*	*	Prussic acid	A	A	D	X	*	X			
Nonylphenol	B	B	C	*	*	*	Pyridine	B	B	D	*	*	*			
Octane	B	B	B	*	*	*	Pyrosulphuric acid	See Special Chemiflex						X	*	X
Octanol (all isomers)	B	B	B	*	*	*	Rosin	C	C	C	*	*	X			
Octene (all isomers)	C	C	C	*	*	X	Rosin soap solution (disproportionated)	C	C	C	*	*	X			
Octyl acetate	C	C	C	*	*	*	Salt solutions (excluding halides)	A	B	D	*	*	*			
Octyl acrylate	B	B	B	*	*	*	Sea water	A	D	D	X	*	*			
Olefins (straight chain mixtures)	C	C	C	*	*	X	Sewage	B	B	D	*	*	*			
α-Olefin mixtures	C	C	C	*	*	X	Silicon oil	A	A	A	*	*	*			
Oils (most commercial)	B	B	B	*	*	*	Silver halides (saturated)	A	D	D			Polypropylene			
Oleic acid	B	B	D	X	*	X	Silver salts (excluding halides - saturated)	A	B	D	*	*	*			
Oleum (Sulphuric acid - fuming)	See Special Chemiflex						X	*	X	Soap solutions	A	A	B	*	*	*