



Composite Hose Chemical Resistance Chart

SUITABILITY IS INDICATED BY THE FOLLOWING CATEGORIES:

A - SUITABLE for use at 140° F

B - SUITABLE for use at worldwide ambient temperatures

I - SUITABLE for **INTERMITTENT** use only at worldwide **AMBIENT** temperatures. Intermittent use is defined as typical of ship to shore or road tanker transfer operations where the hose is not left full of product after use

X - UNSUITABLE - Do not use

*** - Polypropylene Couplings**

U - Couplings unsuitable or no data available

S - Couplings suitable for the operating conditions applicable to the hose

HOSE TYPES INNER WIRE

1 - Uni-oil Hoses Galvanized Mild Steel

2 - Uni-chem PG, PS, Polypropylene Coated Steel

3 - Uni-chem SG and SS 316L Stainless Steel

4 - Uni-flon SG, SS 316L Stainless Steel

5 - Uni-zene - (MTBE) Galvanized Carbon Steel

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
ACETALDEHYDE	100	X	I	I	A	X	U	S	S
100	60	X	A	A	A	X	U	S	S
ACETIC ACID	20	X	A	A	A	-	U	S	U
ACETIC ACID	GLACIAL	X	B	A	A	X	U	S	S
ACETIC ANHYDRIDE	100	X	B	B	A	X	U	S	S
ACETONE	100	A	A	A	A	A	S	S	S
ACETONE CYANOHYDRIN	-	X	B	B	A	-	S	S	U
ACETONITRILE	-	B	B	B	A	B	S	S	S
ACETOPHENONE	100	B	B	B	A	-	S	S	S
ACETYLACETONE	100	B	B	B	A	A	S	S	S
ACETYLENE DICHLORIDE	100	B	B	B	A	-	S	S	S
ACROLEIN	100	B	B	B	A	-	S	S	S
ACRYLIC ACID	-	X	B	B	B	-	U	S	S
ACRYLONITRILE	100	X	A	A	A	A	U	S	S
ADIPIC ACID	SATURATED	A	A	A	A	A	U	S	S
ALLYL ALCOHOL	100	A	A	A	A	A	S	S	S
ALLYL BROMIDE	100	I	I	I	B	I	S	S	U



Composite Hose Chemical Resistance Chart

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
ALLYL CHLORIDE	100	I	I	I	B	I	S	S	U
ALUMS	SATURATED	A	A	A	A	A	S	S	S
ADIPONITRILE	100	B	B	B	A	-	S	S	S
ALUMINUM NITRATE	SATURATED	X	B	B	A	X	S	S	U
ALUMINUM CHLORIDE	SATURATED	X	B	B	A	X	U	U	U
AMINOETHYL ETHANOLAMINE	-	X	B	B	A	X	S	S	S
AMMONIA SOLUTION	-	X	A	A	A	X	S	S	U
AMMONIUM SALTS	SATURATED	X	A	B	B	A	S	S	U
AMMONIUM CHLORIDE *	SATURATED	X	A	I	I	A	U	U	U
AMYL ACETATE	100	I	I	A	A	B	S	S	S
AMYL ALCOHOL	100	B	B	A	A	A	S	S	S
AMYL CHLORIDE	100	I	I	I	A	I	S	S	S
ANILINE	100	A	A	A	A	X	S	S	U
ANIMAL OIL	100	A	A	A	A	A	S	S	S
ANISOLE	100	I	I	I	A	-	U	S	U
ANTIMONY CHLORIDE	ALL	X	B	B	B	X	U	S	S
AQUA REGIA *	-	X	I	X	X		U	U	U
ARSENIC ACID	80	X	B	B	A	X	U	S	S
AVIATION FUEL	100	I	I	I	B	A	S	S	S
BARIUM SALTS	SATURATED	X	A	A	A	A	S	S	U
BEER	-	X	A	A	A	X	S	S	S
BENZALDEHYDE	-	X	I	I	A	X	U	S	U
BENZENE	-	X	I	I	A	A	S	S	S
BENZOIC ACID	-	X	A	A	A	X	S	S	U
BUTYL CARBITOL ACETATE	-	I	I	I	A	-	S	S	S
BUTYL CELLULOSE	-	A	A	A	A	-	S	S	S
BUTYL CELLULOSE ACETATE	-	I	I	I	A	-	S	S	U
BUTYL/DECYL/CETYL-EICOSYLMETHACRYLITE MIXTURE	-	X	X	X	B	-	U	S	U
BUTYLENE GLYCOL	100	A	A	A	A	I	S	S	S
BUTYL ETHER	-	B	B	B	A	A	S	S	S
BUTYL ETHYL ETHER	-	B	B	B	A	A	S	S	S
BUTYL METHACRYLATE	-	I	I	I	A	-	S	S	S
BUTYL METHOXETHYL ETHER	-	I	I	I	A	-	S	S	S
BUTYL PHTHALATE	-	A	A	A	A	A	S	S	S
BUTYL STEARATE	-	B	B	B	A	A	S	S	S
BUTRALDEHYDE	-	X	X	X	A	-	U	S	U
BUTYRIC ACID	20	B	B	B	A	-	S	S	S

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PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
BUTYROLACTONE	-	I	I	I	A	-	S	S	S
CALCIUM SALTS	SATURATED	X	A	A	A	X	S	S	
CALCIUM ALKYL SALICYLATE SOLUTION	-	X	A	A	A		S	S	S
CALCIUM CHLORIDE	SATURATED	X	A	I	I	X	S	S	S
CALCIUM HYPOCHLORITE	20	X	B	I	I	X	U	S	U
CAMPHOR OIL	-	I	I	I	A	A	S	S	S
CAPRYLIC ACID	-	A	A	A	A	X	S	S	S
CARBINOLS	-	B	B	B	A	-	S	S	S
CARBITOLS	-	B	B	B	A	-	S	S	S
CARBITOL ACETATE	-	I	I	I	A	-	S	S	S
CARBOLIC OIL	-	I	I	I	A	-	S	S	S
CARBON DISULPHIDE	100	X	X	X	A	X	S	S	S
CARBON TETRACHLORIDE	-	I	I	I	A	A	S	S	S
CARBONIC ACID	-	X	A	A	A	X	U	S	S
CASHEW NUT SHELL OIL	-	B	B	B	A	A	S	S	S
CAUSTIC POTASH	50	I	A	A	A	X	S	S	U
CAUSTIC SODA	50	I	A	A	A	X	S	S	U
CHLOROATIC ACID *	100	X	B	X	X	X	U	U	U
CHLOROBENZENE	-	I	I	I	A	B	S	S	S
CHLOROBUTANE	-	I	I	I	A	B	S	S	S
CHLOROFORM	-	I	I	I	A	B	S	S	S
CHLOROHYDRINS	-	I	I	I	A	-	U	S	U
CHLOROPRENE	-	I	I	I	A	-	U	S	S
CHLOROPROPIONIC ACID	-	X	I	X	X	X	U	U	U
CHLOROSULPHONIC ACID *	100	X	X	X	X	X	U	U	U
CHLOROTOLUENE	100	X	X	X	A	B	S	S	U
CHROME ALUM	SATURATED	X	A	A	A	X	S	S	S
CHROMIC ACID AQUEOUS	50	X	I	I	B	X	U	S	S
CITRIC ACID	100	X	A	A	A	X	U	S	S
COAL TAR NAPHTHA	-	B	B	B	A	A	S	S	S
COPPER SALTS	SATURATED	X	B	B	A	X	S	S	U
COPPER CHLORIDE *	SATURATED	X	A	X	X	X	U	U	U
CREOSOTE (WOOD OR COALTAR)	100	B	B	B	A	X	S	S	S
CRESOLS	90	B	B	B	A	X	S	S	S
CRESYLIC ACIDS	90	B	B	B	A	X	S	S	S
CROTONALDEHYDE	100	X	X	X	A	X	S	S	U
CUMENE	100	B	B	B	A	X	S	S	S

Composite Hose Chemical Resistance Chart

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
CYCLOHEXANE	100	B	B	B	A	A	S	S	S
CYCLOHEXANOL	100	B	B	B	A	B	S	S	S
CYCLOHEXANONE	100	I	I	I	A	-	S	S	S
CYCLOHEXYLAMINE	100	B	B	B	A	X	S	S	S
CYCLOPENTANE	100	B	B	B	A	A	S	S	S
P•CYMENE	100	B	B	B	A	-	S	S	S
DECALIN	100	X	X	X	A	A	U	S	U
DECYL ALCOHOL	100	B	B	B	A	-	S	S	S
DECYL ACRYLATE	100	B	B	B	A	-	S	S	S
DETERGENTS	5	A	A	A	A	A	S	S	S
DEXYTRIN	100	A	A	A	A	A	S	S	S
DIACETONE ALCOHOL	100	B	B	B	A	-	S	S	S
DIAMINOETHYLAMINE	100	X	B	B	A	X	S	S	S
DIAMYLAMINE	100	X	B	B	A	X	S	S	S
DIBROMOETHANE	100	X	B	B	A	B	S	S	S
DIBUTYLAMINE	100	I	B	B	A	X	S	S	S
DIBUTYL ETHER	100	I	I	A	A	A	S	S	S
DIBUTYLPHTHALATE	100	B	B	B	A	A	S	S	S
DIBUTYL SEBACATE	100	B	B	B	A	-	S	S	S
DICHLOROACETIC ACID *	100	X	I	X	X	X	U	U	U
DICHLOROBENZENE	100	I	I	I	A	-	S	S	S
DICHLOROBUTANE	100	I	I	I	A	A	S	S	S
DICHLOROETHYLENE	100	I	I	I	A	A	S	S	S
DICHLOROETHYLETHER	100	I	I	I	A	-	S	S	S
DICHLOROMETHANE	100	I	I	I	A	A	S	S	S
DICHLOROPROPANE	100	I	I	I	A	A	S	S	S
DICHLOROPROPYLENE	100	I	I	I	A	A	S	S	S
DICHLOROPROPIONIC ACID	-	X	I	I	I	X	U	S	U
DICYCLOPENTADIENE	-	X	X	X	X	X	U	U	U
DIESEL OIL	100	B	B	B	A	A	S	S	S
DIETHANOLAMINE	100	I	A	A	A	X	S	S	S
DIETHYLAMINE	100	X	A	A	A	X	S	S	S
DIETHYLAMINOETHANOL	100	I	B	B	A	X	S	S	S
DIETHYLBENZENE	100	B	B	B	A	A	S	S	S
DIETHYLENE GLYCOL	100	A	A	A	A	A	S	S	S
DIETHYLENE GLYCOL DIETHYL ETHER	B	B	B	A	-	S	S	S	
DIETHYLENE GLYCOL MONOBUTYL ETHER	-	I	I	I	A	-	S	S	S

Composite Hose Chemical Resistance Chart

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
DIETHYLENE GLYCOL MONOETHYL ETHER	-	I	I	I	-	-	S	S	S
DIETHYLENE GLYCOL MONOETHYL ETHER ACETATE	-	I	I	I	A	-	S	S	S
DIETHYLENE GLYCOL MONOMETHYL ETHER	-	I	I	I	A	-	S	S	S
DIMETHYLAMINE	100	B	B	B	A	X	S	S	S
DIMETHYL ETHANOLAMINE		I	B	B	A	X	S	S	S
DIMETHYL FORMAMIDE	100	A	A	A	A	X	S	S	S
DIMETHYL PHTHALATE	100	B	B	B	A	A	S	S	S
DIMETHYL SULPHATE		X	B	B	A	-	S	S	S
DIMETHYL SULPHIDE	100	B	B	B	A	-	S	S	S
DINITROBENZENE	100	I	I	I	A	-	S	S	S
DIOCTYLPHALATE	100	B	B	B	A	A	S	S	S
DIOCTYL SEBACATE	100	B	B	B	A	-	S	S	S
DIOXANE	100	B	B	B	A	A	S	S	S
DIPENTENE	100	B	B	B	A	A	S	S	S
DIPHENYL ETHER	100	B	B	B	A	X	S	S	S
DIPHENYL PHTHALATE	100	B	B	B	A	-	S	S	S
DIPROPYLAMINE	100	B	B	B	A	X	S	S	S
DIPROPYLENE GLYCOL	100	A	A	A	A	A	S	S	S
MONOMETHYL ETHER	100	I	I	I	A	-	S	S	S
DODECYL ALCOHOL	100	B	B	B	A	A	S	S	S
DIETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	-	I	I	I	A	-	S	S	S
DIETHYLENTRIAMINE	100	X	B	B	A	X	S	S	S
DIETHYL ETHANOLAMINE	-	X	B	B	A	X	S	S	S
DIETHYL ETHER	100	B	B	B	A	A	S	S	S
DIETHYL KETONE	100	B	B	B	A	A	S	S	S
DIETHYL OXALATE	100	B	B	B	A	-	S	S	S
DIETHYL PHTHALATE	100	A	A	A	A	A	S	S	S
DIETHYL SEBACATE	100	A	A	A	A	-	S	S	S
DIETHYL SULPHATE	100	X	B	B	A	-	S	S	S
DIISOBUTYLENE	-	I	I	I	A	A	S	S	S
DIISOBUTYL KETONE	100	B	B	B	A	A	S	S	S
DIISOBUTYL PHTHALATE	100	B	B	I	A	A	S	S	S
DIISOOCTYL ADIPATE	100	B	B	B	A	A	S	S	S
DIISOOCTYL PHTHALATE	-	A	A	A	A	A	S	S	S
DIISOPROPANOLAMINE	100	B	B	B	A	X	S	S	S
DIISOPROPYLAMINE	100	B	B	B	A	X	S	S	S
DIISOPROPYL ETHER	100	B	B	B	A	A	S	S	S

Composite Hose Chemical Resistance Chart

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
DIISOPROPYL KETONE	100	B	B	B	A	A	S	S	S
DODECYL BENZENE	100	B	B	B	A	-	S	S	S
DODECYL PHENOL	100	B	B	B	A	X	S	S	S
EPICHLOROHYDRIN	100	B	B	B	A	-	S	S	S
ETHANOL	100	A	A	A	A	A	S	S	S
ETHANOLAMINE	100	B	A	A	A	X	S	S	S
ETHOXY ETHANOL	-	X	I	I	A	-	S	S	S
ETHOXY PROPANOL	-	X	I	I	A	-	S	S	S
ETHYL ACETATE	100	X	I	I	A	A	S	S	S
ETHYL ACRYLATE	100	A	A	A	A	S	S	S	
ETHYL ALUMINIUM DICHLORIDE	-	X	X	X	X	X	U	U	U
ETHYLAMINE	100	I	B	B	A	X	S	S	S
ETHYLBENZENE	100	B	B	B	A	A	S	S	S
ETHYL BUTANOL	100	B	B	B	A	A	S	S	S
ETHYL CHLORIDE	100	I	I	I	A	A	S	S	S
ETHYL CYCLOHEXANE	-	I	I	I	A	-	S	S	S
ETHYLENE CARBONATE	100	I	B	B	A	-	S	S	S
ETHYLENE CHLORIDE	100	I	I	I	A	B	S	S	S
ETHYLENE CHLOROXYDRIN	100	B	B	B	A	-	S	S	S
ETHYLENE CYANOXYDRIN	100	X	I	I	A	-	S	S	S
ETHYLENE DIAMINE	100	B	B	B	A	X	S	S	S
ETHYLENE DIBROMIDE	100	I	B	B	A	A	U	S	S
ETHYLENE DICHLORIDE	100	X	I	I	A	A	U	S	S
ETHYLENE GLYCOL	100	A	A	A	A	A	S	S	S
ETHYLENE GLYCOL MONOBUTYL ETHER	100	A	A	A	A	-	S	S	S
ETHYLENE GLYCOL									
METHYL BUTYL ETHER	-	I	B	B	A	-	S	S	S
ETHYLENE GLYCOL									
MONOBUTYL ETHER ACETATE	-	B	B	B	A	S	-	S	S
MONOETHYL ETHER	100	A	A	A	A	-	S	S	S
ETHYL FORMATE	100	X	B	B	A	-	S	S	S
ETHYLENE OXIDE	100	X	B	B	A	A	U	S	U
ETHYLENE GLYCOL									
MONOETHYL ETHER ACETATE	-	B	B	B	A	S	-	S	S
ETHYL HEXYLACRYLATE	100	X	B	B	A	-	S	S	S
2-ETHYL HEXYLAMINE	-	I	B	B	A	X	S	S	S
ETHYL IODIDE	100	I	I	I	A	B	S	S	S



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PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
ETHYL ISOBUTYL ETHER	100	X	B	B	A	A	S	S	S
ETHYL METHACRYLATE	-	I	I	I	A	-	S	S	S
2-ETHYL-3-PROPYLACROLEIN	-	I	I	I	A	-	S	S	S
ETHYL PROPYL ETHER	100	B	B	B	A	A	S	S	S
ETHYL PROPYL KETONE	100	I	I	I	A	B	S	S	S
ETHYL SILICATE	100	A	A	A	A	-	S	S	S
ETHYL SULPHATE	100	B	B	B	A	-	S	S	S
ETHYL VINYL ETHER	100	B	B	B	A	A	S	S	S
ETHOXYETHYL ACETATE	100	B	B	B	A	-	S	S	S
FATTY ACIDS	100	X	A	A	A	-	U	S	S
FLURONATED REFRIGERANTS	-	CONSULT TECHNICAL SALES							
FLUORINE	-	CONSULT TECHNICAL SALES							
FLUOSILIC ACID	-	X	A	A	A	X	-	-	-
FORMALDEHYDE SOLUTION	45	X	A	A	A	X	S	S	S
FORMAMIDE	100	X	A	B	B		U	S	S
FORMIC ACID	100	X	A	B	B	X	U	S	S
FREONS	-	CONSULT TECHNICAL SALES							
FRUIT JUICES	-	X	A	A	A	-	S	S	S
FRUCTOSE	100	A	A	A	A	A	S	S	S
FUEL OIL	100	B	B	B	A	A	S	S	S
FURFURAL	100	I	I	I	A	-	S	S	S
FURFURAL ALCOHOL	100	I	I	I	A	-	S	S	S
GALLIC ACID SOLUTION	ALL	X	A	A	A	-	S	S	S
GASOLINE	100	B	B	B	A	A	S	S	S
GELATINE AQUEOUS	ALL	A	A	A	A	-	S	S	S
GLUCONIC ACID	ALL	I	A	A	A	-	S	S	S
GLUCOSEAQUEOUS	ALL	A	A	A	A	A	S	S	S
GLYCERINE	ALL	A	A	A	A	A	S	S	S
GLYCOLS AQUEOUS	ALL	A	A	A	A	A	S	S	S
HEPTANE	-	B	B	B	A	A	S	S	S
HEPTANOIC ACID	-	X	B	B	A	-	U	S	U
HEPTANOL	100	A	A	A	A	A	S	S	S
EPTANONE	100	B	B	B	A	-	S	S	S
HEPTENE	100	B	B	B	A	A	S	S	S
HEXANE	100	B	B	B	A	A	S	S	S
HEXANOL	100	A	A	A	A	A	S	S	S
HEXYLAMINE	100	X	B	B	A	X	S	S	S

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PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
HEXYLENE	100	B	B	B	A	A	S	S	S
HEXYLENE GLYCOL	100	A	A	A	A	-	S	S	S
HYDRAZINE HYDRATE	-	X	B	B	B	X	U	S	U
HYDROBROMIC ACID *	50	X	A	X	X	X	U	U	U
HYDROCHLORIC ACID *	30	X	B	X	X		U	U	U
HYDROCHLORIC ACID AQUEOUS	37	X	I	X	X	X	U	S	U
HYDROFLUORIC ACID *	60	X	B	X	X	X	U	U	U
HYDROFLUORIC ACID *	40	X	A	X	X		U	U	U
HYDROFLUOSILICIC ACID	20	X	A	A	A	X	U	S	S
HYDROGEN PEROXIDE AQUEOUS	90	X	B	B	B	X	U	S	U
HYDROGEN SULPHIDE AQUEOUS *	SATURATED	X	A	B	B	X	U	S	U
2-HYDROXYETHYL ACRYLATE	-	I	I	I	A	X	S	S	S
HEXAMETHYLENE DIAMINE	100	X	B	B	A	X	S	S	S
HEXAMETHYLENE TETRAMINE	100	X	B	B	A	X	S	S	S
HYDROQUINONE	100	A	A	A	A	A	S	S	S
HYDROXY ETHYL ETHYLENE DIAMINE	100	I	I	I	A	X	S	S	S
IODINE SOLUTION *	SATURATED	X	A	X	X	X	U	U	U
IRON SALTS (NOT HALIDES)	SATURATED	X	A	A	A	X	S	S	U
IRON HALIDES *	SATURATED	X	A	X	X	X	U	U	U
ISOAMYL ACETATE	-	I	I	I	A	A	S	S	S
ISOMYL ALCOHOL	100	B	B	A	A	A	S	S	S
ISOAMYL BROMIDE	100	X	B	X	X	X	U	S	U
ISOAMYL BUTYRATE	100	X	B	B	A	-	S	S	S
ISOAMYL CHLORIDE	100	X	I	I	A	X	U	S	U
ISOAMYL ETHER	100	B	B	B	A	A	S	S	S
ISOBUTYL ALCOHOL	100	A	A	A	A	A	S	S	S
ISOBUTYL ACETATE	100	I	I	I	A	A	S	S	S
ISOBUTYL ACRYLATE	100	B	B	B	A	B	S	S	S
ISOBUTYLAMINE	100	X	B	B	A	X	S	S	S
ISOBUTYL BROMIDE	100	X	B	X	X	-	-	S	-
ISOBUTYL CHLORIDE	100	X	B	X	X	-	-	S	-
ISOBUTYL METHYL KETONE	100	B	B	B	A	A	S	S	S
ISOBUTYRALDEHYDE	100	X	X	X	A	X	S	S	S
ISOBUTYL ETHER	100	I	I	I	A	A	S	S	S
ISOCTANE	100	I	I	I	A	A	S	S	S
ISODECYL ALCOHOL	100	A	A	A	A	A	S	S	S
ISOPENTANE	100	I	I	I	A	A	S	S	S



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PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE			
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass	
ISOPENTENE	100	I	I	I	A	A	S	S	S	
ISOPRENE	100	B	B	B	A	X	U	S	U	
ISOPROPYL ALCOHOL	100	A	A	A	A	A	S	S	S	
ISOPROSPANOLAMINE	100	X	B	B	A	X	S	S	S	
ISOPROPYLACETATE	100	I	I	I	A	A	S	S	S	
ISOPROPYLAMINE	100	X	B	B	A	X	S	S	S	
ISOPROPYL CHLORIDE	100	X	B	B	X	A	U	S	S	
ISOPROPYL ETHER	100	X	B	B	X	A	S	S	S	
ISOVALERALDEHYDE	100	I	I	I	A	-	S	S	S	
JAMS	100	X	A	A	A	X	S	S	S	
JET FUEL	100	I	I	I	A	A	S	S	S	
KEROSENE	100	B	B	B	A	A	S	S	S	
LACTIC ACID	20	X	B	B	A	X	S	S	S	
LANOLIN	-	A	A	A	A	-	S	S	S	
LARD	-	A	A	A	A	A	S	S	S	
LATEX	-	A	A	A	A	A	S	S	S	
LEAD SALTS	SATURATED	X	A	B	B	X	U	S	U	
LIGROIN		<i>SEE PETROLEUM NAPHTHA</i>								
LIMONENE		<i>SEE DIPENTENE</i>								
LINSEED OIL	100	A	A	A	A	A	S	S	S	
LUBRICATING OIL	100	B	B	B	A	A	S	S	S	
MAGNESIUM SALTS	SATURATED	X	A	B	B	X	U	S	U	
MALEIC ACID	100	X	A	B	B	X	U	S	S	
MALIC ACID	100	X	B	B	B	X	U	S	U	
MANGANESE SALTS	SATURATED	X	A	B	B	X	U	S	U	
MERCURIC CHLORIDE *	SATURATED	X	A	X	X	U	U	U		
MESITYL OXIDE	100	B	B	B	A	-	S	S	S	
METHACRYLIC ACID	SATURATED	X	B	B	A	X	S	S	S	
METHANOL	100	A	A	A	A	B	S	S	S	
METHYL ACETATE	100	I	I	I	A	A	S	S	S	
METHYL ACETO ACETATE	100	X	I	I	B	-	U	S	S	
METHYL ACETONE	100	B	B	B	A	A	S	S	S	
METHYL ACRYLATE	100	B	B	B	A	-	S	S	S	
METHYLAMINE	-	I	B	B	B	X	S	S	S	
METHYLAMYL ACETATE	100	I	I	I	A	A	S	S	S	
METHYLAMYL ALCOHOL	100	B	B	B	A	A	S	S	S	
METHYL AMYLKETONE	100	B	B	B	A	A	S	S	S	



Composite Hose Chemical Resistance Chart

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
METHYL TERT-BUTYL ETHER	-	I	I	I	A	A	S	S	S
METHYL BUTYL KETONE	100	B	B	B	A	A	S	S	S
METHYL BUTYRALDEHYDE	-	X	X	X	A	-	U	S	U
METHYL CELLULOSE	100	B	B	B	A	-	S	S	S
METHYL CELLULOSE ACETATE	100	I	I	I	A	-	S	S	S
METHYL CHLORIDE	100	I	I	I	A	B	S	S	S
METHYL CYANIDE	100	B	B	B	A	-	S	S	S
METHYL CYCLOHEXANE	100	B	B	B	A	A	S	S	S
2-METHYL PENTENE	-	I	I	I	A	A	S	S	S
METHYLENE BROMIDE	100	X	I	I	A	-	S	S	S
METHYL ETHYL KETONE	100	I	I	I	A	A	S	S	S
METHYL ETHYLPRIDINE	-	I	I	I	B	-	S	S	U
METHYL ISOBUTYL KETONE	-	I	I	I	A	A	S	S	S
METHYL METHACRYLATE	100	I	I	I	A	-	S	S	S
METHYLSTYRENE	100	B	B	B	A	A	S	S	S
MINERAL OIL	100	B	B	B	A	A	S	S	S
MINERAL SPIRITS	100	B	B	B	A	-	S	S	S
MOLASSES	-	A	A	A	A	A	S	S	S
MONOETHANOLAMINE	-	B	A	A	A	X	S	S	S
MONOETHYLAMINE	-	I	B	B	A	X	S	S	S
MONOITROBENZENE	-	B	B	B	A	X	S	S	S
MORPHOLINE	100	B	B	B	A	X	S	S	S
NAPHTHA	100	B	B	B	A	A	S	S	S
NAPHTHA SOLVENT	-	I	I	I	A	A	S	S	S
NAPHTHALENE (IN SOLUTION)	100	A	A	A	A	A	S	S	S
NEOHEXANE	100	B	B	B	A	A	S	S	S
NICKEL CHLORIDE *	SATURATED	X	A	X	X	X	U	U	U
NICKEL SALTS	SATURATED	X	A	B	B	X	U	S	U
NITRIC ACID	10	X	A	A	A	X	U	S	U
NITRIC ACID	60	X	I	I	B	X	U	S	U
NITRIC ACID	30	X	B	B	B	-	U	S	U
NITRIC ACID	70	X	X	X	I	X	U	S	U
NITROBENZENE	100	B	B	B	A	X	S	S	-
O-NITROPHENOL	100	X	A	A	A	X	S	S	S
NITROPROPANE	100	I	I	I	A	X	S	S	S
NITROLOLUENE	100	B	B	B	A	X	S	S	S
NONANE	100	B	B	B	A	A	S	S	S



Composite Hose Chemical Resistance Chart

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
NONYL ALCOHOL	100	B	B	B	A	A	S	S	S
NONYLPHENOL	100	I	I	I	A	X	S	S	S
OCTANE	100	B	B	B	A	A	S	S	S
OCTANOL	100	B	B	B	A	A	S	S	S
OCTYLACETATE	100	I	I	I	A	A	S	S	S
OCTYLACRYLATE	100	B	B	B	A	A	S	S	S
OILS	-	B	B	B	A	A	S	S	S
OLEIC ACID	-	X	B	B	A	X	U	S	U
OLEUM	-	X	X	X	B	X	U	S	U
OXALIC ACID	45	X	B	B	A	X	U	S	U
PALM OIL	100	B	B	B	A	A	S	S	S
1.3-/PENTADIENE	-	I	I	I	A	-	S	S	S
PENTANE	100	B	B	B	A	A	S	S	S
PENTANOL	100	A	A	A	A	-	S	S	S
PENTANONE	100	B	B	B	A	-	S	S	S
PENTENE	100	B	B	B	A	A	S	S	S
PERCHLORIC ACID *	50	X	B	X	X	-	U	U	U
PETROLATUM	100	A	A	A	A	A	S	S	S
PETROLEUM	100	A	A	A	A	A	S	S	S
PETROLEUM NAPHTHA	100	I	I	I	A	A	S	S	S
PHENOL	100	I	A	B	A	-	S	S	U
PHENOXYETHANOL	-	I	I	I	B	-	S	S	S
PHENYLHYDRAZINE	100	X	I	I	B	X	U	S	U
PHOSPHORIC ACID	25	X	A	A	A	-	U	S	U
PHOSPHORIC ACID	96	X	A	A	A	X	U	S	U
PHOSPHORUS OXYCHLORIDE *	-	I	X	X	X	X	U	U	U
PHOSPHORUS PENTOXIDE	-	X	A	B	B	X	U	S	U
PHOSPHORUS TRICHLORIDE *	100	X	B	X	X	X	U	U	U
PHOSPHORUS	-	X	X	X	X	X	U	U	U
PHTHALIC ACID	50	X	B	B	A	X	U	S	U
PICRIC ACID AQUEOUS	1	X	B	B	B	X	U	S	U
PINENE	-	B	B	B	A	-	S	S	S
PINE OIL	100	B	B	B	A	-	S	S	S
PLASTICISERS	100	B	B	B	A	-	S	S	S
POLYETHYLENE GLYCOL	100	B	B	B	A	-	S	S	S
POLYETHYLENE POLYAMINES	-	X	I	I	B	X	S	S	S
POLYPROYLENE GLYCOL	100	B	B	B	A	-	S	S	S

Composite Hose Chemical Resistance Chart

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE			
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass	
POLYMETHYLENE POLYPHENYL ISOCYANATE	-	B	B	B	A	-	S	S	S	
POTASSIUM SALTS	SATURATED	X	A	B	B	X	U	S	U	
PROPYL ALCOHOL	100	A	A	A	A	A	S	S	S	
PROPANOIC ACID	-	X	B	B	A	X	S	S	S	
PROPIOLACTONE		I	I	I	A	-	S	S	S	
PROPIONALDEHYDE	100	X	I	I	A	X	S	S	S	
PROPIONIC ACID	100	X	B	B	A	X	U	S	S	
PROPIONIC ANHYDRIDE	-	X	I	I	B	X	U	S	S	
PROPYLACETATE	100	I	I	I	A	A	S	S	S	
PROPYLAMINE	-	X	B	B	A	X	S	S	S	
PROPYLENE GLYCOL MONOMETHYL ETHER	-	B	B	B	A	-	S	S	S	
PROPYLENE GLYCOL MONOETHYL ETHER		B	B	B	A	-	S	S	S	
PROPYLENE OXIDE	100	X	B	B	B	X	S	S	S	
PROPYLENE (TETRAMER & TRIMER)	-	I	I	I	B	A	U	S	U	
PRUSSIC ACID	-	X	A	B	A	X	U	S	U	
PYRIDENE	100	X	B	B	A	X	S	S	S	
SALT SOLUTIONS	-	X	B	B	A	X	S	S	S	
SEA WATER	-	X	A	B	B	X	U	S	S	
SEWAGE	-	B	B	B	B	X	S	S	S	
SILICON OIL	-	A	A	A	A	A	S	S	S	
SILVER SALTS	SATURATED	X	A	B	B	X	S	S	S	
SILVER HALIDES *	SATURATED	X	A	X	X	X	U	U	U	
SOAP SOLUTIONS	-	B	A	A	A	X	S	S	S	
SODIUM SALTS	SATURATED	X	A	A	A	X	S	S	S	
SODIUM CHLORIDE *	SATURATED	X	A	I	B	X	U	U	S	
SODIUM HYDROSULPHIDE	-	X	A	B	B	X	S	S	S	
SODIUM HYPOCHLORITE *	20	X	I	I	I	X	U	U	U	
SODIUM HYDROXIDE	-	X	A	A	A	X	S	S	S	
SODIUM THIOSULPHATE	20	X	A	B	B	X	U	S	U	
STARCH AQUEOUS	-	B	A	A	A	-	S	S	S	
STYRENE MONOMER	100	B	B	B	A	A	S	S	S	
SUGAR SYRUP	-	A	A	A	A	X	S	S	S	
SULPHAMIC ACID	-	X	A	X	A	X	U	S	U	
<i>HOSE TYPE</i>										
SULPHUR LIQUID	-			<i>SS ONLY</i>			X	S	S	U
SULPHURIC ACID	UP TO 20	X	B	B	B	X	S	S	U	
SULPHURIC ACID *	20 - 85	X	I	I	I	X	U	U	U	

Composite Hose Chemical Resistance Chart

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
SULPHURIC ACID	OVER 85	X	I	B	B	X	S	S	U
SULPHUROUS ACID	-	X	B	I	B	X	S	S	U
SULPHURYL CHLORIDE	-	X	X	X	X	X	U	U	U
TALL OIL	100	A	A	A	A	A	S	S	S
TALLOW	100	A	A	A	A	A	S	S	S
TANNIC ACID AQUEOUS	10	X	A	A	A	X	U	S	S
TARTARIC ACID	-	X	A	A	A	X	U	S	S
TETRACHLOROETHANE	-	I	I	I	A	B	S	S	S
TETRACHLOROETHYLENE	-	I	I	I	A	B	S	S	S
TETRAETHYLENE GLYCOL	100	B	B	B	A	-	S	S	S
TETRAETHYLENE PENTAMINE	-	X	B	B	B	X	S	S	S
TETRAHYDROFURAN	-	X	X	X	A	-	-	-	-
TETRAHYDRONAPHTHALENE	-	I	I	I	A	-	S	S	S
TIN SALTS (NOT HALIDES)	SATURATED	X	A	B	B	X	S	S	S
TIN HALIDES *	-	X	A	X	X	X	U	U	U
TITANIUM TETRACHLORIDE *	-	X	I	X	X	X	U	U	U
TOLUENE	100	I	I	I	A	A	S	S	S
TOLUENE DIISOCYANATE	100	B	B	B	A	-	S	S	S
TRANSFORMER OIL	100	B	B	B	A	-	S	S	S
TRANSMISSION OIL	100	B	B	B	A	A	S	S	S
TRIBUTYLAMINE	100	B	B	B	A	X	S	S	S
TRIBUTYL PHOSPHATE	100	B	B	B	A	-	S	S	S
TRICHOACETIC ACID *	10	X	A	X	X	X	U	U	U
TRICHLOROBENZENE	100	X	I	I	A	-	S	S	S
TRICHLOROETHANE	100	I	I	I	A	A	S	S	S
TRICHLOROETHYLENE	100	I	I	I	A	A	S	S	S
TRICHLOROPROPANE	100	I	I	I	A	A	S	S	S
TRICRESYLPHOSPHATE	100	B	B	B	A	-	S	S	S
TRIDECANOL	100	B	B	B	A	-	S	S	S
TRIETHANOLAMINE	100	X	B	B	A	X	S	S	S
TRIETHYLAMINE	100	X	B	B	B	X	S	S	S
TRIETHYLBENZENE	100	B	B	B	A	A	S	S	S
TRIETHYLENE GLYCOL	100	A	A	A	A	-	S	S	S
TRIETHYLENE TETRAMINE	100	X	B	B	A	X	S	S	S
TRIMETHYLBENZENE	100	B	B	B	A	A	S	S	S
TRIOCTYL PHOSPHATE	100	B	B	B	A	-	S	S	S
TRIPOLYENE GLYCOL	100	A	A	A	A	-	S	S	S



Composite Hose Chemical Resistance Chart

PRODUCT	CONCENTRATION	HOSE TYPE					COUPLING TYPE		
		1	2	3	4	5	Carbon Steel	Stainless Steel	Brass
TRIPOPYLENE GLYCOL MONOMETHYL ETHER	-	I	I	I	A	-	S	S	S
TRITOLYL PHOSPHATE	100	B	B	B	A	-	S	S	S
TRIXYLENYL PHOSPHATE	100	B	B	I	A	-	S	S	S
TURPENTINE	100	I	I	A	A	X	S	S	S
UREA AQUEOUS SATURATED	-	B	A	A	A	A	S	S	U
UREA/AMMONIA SALT SOLUTION	-	B	A	A	A	X	S	S	U
UREA/AMMONIA SOLUTION	-	B	A	A	A	X	S	S	U
VALERALDEHYDE	-	I	I	I	A	X	S	S	S
VEGETABLE OILS	100	A	A	A	A	A	S	S	S
VINEGAR	-	X	A	A	A	X	U	S	S
VINYL ACETATE	-	X	A	A	A	A	U	S	S
VINYL ETHYL ETHER	-	I	I	I	A	A	S	S	S
VINYLDENE CHLORIDE	-	I	I	I	A	-	S	S	S
VINYL TOLUENE	-	B	B	B	A	A	S	S	S
VINYL NEODECANOATE	-	I	I	I	A	-	S	S	S
WATER	-	A	A	A	A	A	S	S	S
WHITE SPIRIT	100	B	B	B	A	A	S	S	S
WINE	-	X	B	B	A	X	U	S	U
XYLENE	100	B	B	B	A	A	S	S	S
XYLENOL	100	B	B	B	A	A	S	S	S
YEAST AQUEOUS	-	X	A	A	A	X	U	S	S
ZINC SALTS AQUEOUS (NOT HALIDES)	-	X	A	A	B	X	S	S	S
ZINC HALIDES AQUEOUS *	-	X	A	X	X	X	U	U	U