TECHNICAL DATA
CHEMICAL RESISTANCE TABLE

The chemical guide in this section is offered as a general indication of the compatibility of the various materials used in hose with the chemicals and fluids listed. The basis for the ratings in this guide includes actual service experience, the advice of various polymer suppliers, and the considered opinion of our rubber chemists. When in doubt, a sample of the compound should always be tested with the particular chemical it is to handle. Some of the variables that come into play in the resistance of a compound to chemical attack are:

1. Temperature of the Material Transmitted:

Higher temperatures increase the effect of chemicals on rubber compounds. The increase varies with the polymer and the chemical. A compound quite suitable at room temperature might fail very quickly at higher temperatures.

2. Service Conditions:

A rubber compound usually swells when exposed to a chemical. With a given percent of swell, a hose tube may function satisfactorily if the hose is in a static condition, but fail quickly if the hose is subject to flexing.

3. The Grade or Blend of the Rubber Compound:

Basic rubber polymers are sometimes mixed or blended together to enhance a particular property for a specific service. The reaction to a particular chemical blend of polymers may, therefore, be somewhat different from the reaction to the single ones. When in doubt, a sample of the compound should always be tested with the particular chemical it is to handle.

CHEMICAL RESISTANCE OF HOSE COMPOUNDS

COMMON NAME	ASTM Designation D1418-93	COMPOSITION	GENERAL PROPERTIES
Natural rubber	NR	Isoprene rubber	Excellent physical properties, including abrasion resistance. Not oil resistant.
SBR	SBR	Styrene-butadiene rubber	Good physical properties, including abrasion resistance. Not oil resistant.
Butyl rubber	IIR	Isobutene-isoprene rubber	Very good weathering resistance. Low permeability to air. Good physical properties. Poor resistance to petroleum based fluids.
EPDM	EPDM	Ethylene-propylene-diene-terpolymer	Good general purpose polymer. Excellent heat, ozone and weathering resistance. Not oil resistant.
Cross linke polyethylene	XLPE	Cross linked polyethylene	Excellent resistance to most solvents, oils and chemicals. Do not confuse with chemical properties of standard polyethylene.
Ultra high molecular weight polyethylene	UHMWPE	Ultra high molecular weight polyethylene	Excellent resistance to most solvents, chemicals and hydrocarbons. Excellent abrasion and wear resistance. Inert and suitable for food contact. Do not confuse with chemical properties of standard polyethylene.
Nitrile rubber	NBR	Acrylonitrile-butadiene	Excellent oil resistance. Good physical properties.
Neoprene	CR	Chloroprene rubber	Excellent weathering resistance. Flame retardant. Good oil resistance. Good physical properties.
Hypalon®	CSM	Chloro-sulfonated	Excellent ozone, weathering and acid resistance. Good abrasion and heat resistance. Can be compounded for good oil resistance.

TECHNICAL DATA
CHEMICAL RESISTANCE TABLE

The following data is based on tests and believed to be reliable; however, we emphasise that the tabulation should be used as a guide only, since it does not take into consideration all variables such as elevated temperatures, fluid contamination, concentration, etc. that may be encountered in actual use. All critical applications should be tested.

Note: All data based on 68ºF (20º C) unless otherwise noted.

Key: • Blank = No Data • E = Excellent • G = Good • F = Fair • C = Conditional • X = Unsatisfactory

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Acetaldehyde	F	X	E	E	E	E	X	C	F
Acetic Acid, Glacial	C	X	G	G	E	E	X	F	C
Acetic Acid, 10%	G	F	G	E	E	E	E	E	E
Acetic Acid, 50%	X	F	G	E	E	E	F	F	E
Acetic Anhydride	F	X	C	G	E	E	X	G	E
Acetic Oxide	F	X	G	G	E	E	X	G	E
Acetone	C	C	E	E	E	E	X	C	X
Acetone Cyanohydrin	F		E	E			X	G	F
Acetonitrile	G		E	E			X	E	G
Acetophenone	C	X	G	E	E	E	X	X	X
Acetyl Acetone	X	X	E	E			X	X	X
Acetyl Chloride	X	X	X	X			X	X	C
Acetyl Oxide	F		G	G	E	E	X	G	E
Acetylene	C	F	E	E	E	E	E	E	C
Acetylene Dichloride	X	X	F	C			X	X	X
Acetylene Terachloride	X		X	C			X	C	X
Acrolein	G	F	E	E			F	G	G
Acrylonitrile	C	F	X	E	E	E	X	X	C
Acrylic Acid	X			X			X	X	G
Adipic Acid	E		X	C	E	E	E	E	G
Air, +300 °F	X	X	G	G			G	G	G
Alk-Tri	X		X	X			X	X	X
Allyl Alcohol	E		E	E	E	E	E	E	E
Allyl Bromide	X		X	X			X	X	X
Allyl Chloride	X	E	C	X	E	F	G	X	X
Alum	E		E	G	E	E	C	E	E
Aluminium Acetate	E	X	G	E			C	C	F
Aluminium Chloride	E	E	E	E	E	E	E	E	E
Aluminium Fluoride	E	E	E	E	E	E	E	E	E
Aluminium Formate	X		G	E			X	E	X
Aluminium Hydroxide	E	G	E	E	E	E	E	E	E
Aluminium Nitrate	E	E	E	E			E	E	E
Aluminium Sulfate	E	G	A	E	E	E	E	G	E
Amines-Mixed	C	G		G			X	C	X
Aminobenzene	X	X	E	C	E	E	X	X	C
Aminodimethilbenzene	X		G	C			C	X	F
Aminoethane	C	X	G	E	E	E	C	C	F
Aminoxylene	X		G	E			C	X	X
Ammonium Carbonate	E	E	E	E			C	E	C
Ammonium Chloride	E	E	E	E	E	E	G	E	E
Ammonium Hydroxide	G	X	G	E	E	E	C	E	E
Ammonium Nitrate	E	E	E	E	E	E	E	E	E
Ammonium Phosphate, Dibasic	E	E	E	E	E	E	E	E	E
Ammonium Sulfate	E	G	E	E	E	E	E	E	E
Ammonium Sulfide	E	G	E	E	E	E	C	E	E
Ammonium Thiosulfate	E		E	E			C	E	E
Amyl Acetate	C	X	G	C	E	E	X	X	X
Amyl Acetone	X		G	G			X	X	X
Amyl Alcohol	C	G	E	E	E	E	C	C	E
Amyl Bromide	X		X	C			X	X	X
Amyl Chloride	X	X	X	X	E	E	X	X	X
Amyl Ether	X		X	X			C	X	F
Amylamine	F		G	X			F	C	F
Anethole	X		X	X			X	X	X
Aniline	X	X	E	C	E	E	X	X	C

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Aniline Dyes	C	G	G	C	E	E	X	C	G
Aniline Oil	X	X	G	C	E	E	X	X	C
Animal Fats	X	X	C	C	E	E	E	C	F
Antimony Pentachloride	X			C	E	E	X	C	X
Aqua Regia	X	X	C	C	X	X	X	X	C
Argon	X	C	G	E			E	G	X
Arsenic Acid	E	E	E	E	E	E	E	E	E
Asphalt	X	X	X	X	E	E	C	C	F
Astm Fuel A	X	X	X	X			E	C	C
Astm Fuel B	X	X	X	X			C	X	X
Astm Fuel C	X	X	X	X			C	X	X
Astm Oil No.1	X	X	X	X	E	E	E	E	C
Astm Oil No.2	X	X	X	X	E	E	E	C	X
Astm Oil No.3	X	X	X	X	E	E	E	C	C
Astm Oil No.4	X	X	X	X			C	X	X
Automatic Trasmission Fluid	X	X	X	X			E	C	C
Banana Oil	X		C	C			X	X	C
Barium Chloride	E	E	E	E	E	E	E	E	E
Barium Hydroxide	E	E	E	E	E	E	E	E	E
Barium Sulphide	E	G	E	E	E	E	E	E	E
Beer	E	E	E	E	E	E	E	E	E
Beet Sugar Liquors	E	E	E	E	E	E	E	C	E
Benzal Chloride			G				X		
Benzaldehyde	X	X	G	E	E	E	X	X	X
Benzene	X	X	X	C	E	F	X	C	C
Benzene Carboxylic Acid	X		E	C			X	E	C
Benzine		X	X	X	E	E	E	C	C
Benzoic Acid	X	X	C	C			X	E	C
Benzol	X	X	X	C	E	F	X	C	C
Benzotrichloride	X			E			X	X	X
Benzyl Acetate	X		E	E			X	E	G
Benzyl Alcohol	X	X	E	C			X	C	C
Benzyl Chloride	X	X	X	X			X	X	X
Benzyl Ether	X	X	G	C			X	X	X
Black Sulfate Liquor	G	G	G	G	E	E	G	G	G
Bleach	C	X	E	E	G	F	X	C	E
Borax Solution	C	G	E	E	E	E	C	E	E
Boric Acid	E	E	E	E	E	E	E	E	E
Brake Fluid (Hd-557)12 Days	X	E	E	E			C	C	C
Brine	E		E	E	E	E	E	E	E
Bromobenzene	X	X	X	X			X	X	X
Bromochlorometane	X		C	G	F	F	X	X	X
Bromoethane	C	X	C	X	E	E	C	X	X
Bromotoluene	X		X				X		X
Bunker Oil	X	X	X	X			E	G	C
Butadiene	X	X	X	X	E	E	X	X	G
Butane	X	X	X	X	E	E	E	E	C
Butanoic Acid	C		X	C			C	X	C
Butanol	E	E	C	C	E	E	E	E	E
Butanone	X	X	E	E	E	E	X	X	X
Butoxyethanol	X		C	E			C	X	G
Butyl Acetate	X	X	C	C	E	E	X	X	X
Butyl Acrylate	X	X	X	C	E	E	X	X	X
Butyl Alcohol	E	E	C	C	E	E	E	E	E
Butyl Aldehyde	X	X	C	C	E	E	X	X	X

PIRTEK

TECHNICAL DATA
CHEMICAL RESISTANCE TABLE

CHEMICAL OR MATERIAL CONVEYED \ COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Butyl Benzyl Phthalate	X		E	E	E	E	X	E	X
Butyl Carbitol	X	X	E	E			X	X	C
Butyl Cellosolve	X	X	C	C	E	E	C	X	G
Butyl Chloride	X		F	X			X	X	X
Butyl Ether	X	X	C	C	E	E	X	C	X
Butyl Ether Acetaldehyde	X		G	X			X	X	X
Butyl Ethyl Ether	X		X	F			G	X	C
Butyl Oleate	X	X	C	C			X	X	X
Butyl Phthalate	X	X	G	E	E	E	X	X	X
Butyl Stearate	X	X	C	X	E	E	C	X	X
Butylene	X	X	X	X			C	C	C
Butyraldehyde	X	X	C	C	E	E	X	X	X
Butyric Acid	C	X	X	C	E	E	C	X	C
Butyric Anhydride	F		F	E			C	G	G
Cadmium Acetate	X		E				X		E
Calcium Aluminate	E		E				E		E
Calcium Bichromate			E	E			C	E	F
Calcium Bisulfide	X	G	X	E			C	E	F
Calcium Chloride	E	E	E	E	E	E	E	E	E
Calcium Hydroxide	E	E	E	E	E	E	E	E	E
Calcium Hypochlorite	C	X	E	E	E	E	C	C	E
Calcium Nitrate	E	E	E	E			E	E	E
Calcium Sulfide	C	X	E	E			E	E	E
Calcium Acetate	E	X	E	E			C	C	C
Caprylic Acid	C		F				F		G
Carbamide	E		E	E	E	E	G	G	E
Carbitol	C	E	C	C	E	E	C	C	C
Carbolic Acid Phenol	C		C						C
Carbon Dioxide	G	G	E	G	E	E	E	G	E
Carbon Disulfide	X		X	X	C	C	X	X	X
Carbon Monoxide	C	G	E	E	E	E	E	C	C
Carbon Tetrachloride	X		X	X	E	E	X	X	X
Carbonic Acid	E	G	E	E	E	E	C	E	E
Castor Oil	E	E	C	C	E	E	E	E	E
Caustic Soda	E	E	E	G	E	E	C	G	E
Cellosolve Acetate	C	X	C	G	E	E	X	X	X
Celluguard	E	E	E	E			E	E	E
Cetylic Acid	C	G	C	C	E	E	E	G	C
China Wood Oil	X	X	C	X	E	E	E	C	C
Chlorinated Solvents	X	X	X	X	E	E	X	X	X
Chloro-2-Propanone	X		C						X
Chloroacetic Acid	X	X	C	C	E	E	X	X	G
Chloroacetone	X	X	C	E	E	E	X	X	X
Chlorobenzene	X	X	X	X	E	E	X	X	X
Chlorobutane	X		F	X			X	X	X
Chlorodane	X	X	X	X			C	C	C
Chloroethyl Benzene	X		X	X			C	X	X
Chloroform	X	X	X	X	F	F	X	X	X
Chloropentane	X		X	X			X	X	X
Chlorosulfonic Acid	X	X	X	X	F	X	X	X	X
Chlorotoluene	X	X	X	X			X	X	X
Chlorox	X	X	C	G			C	C	C
Chrome Plating Solutions	X	X	C	C			X	X	X
Chromic Acid	C	X	C	C	E	E	X	X	E
Chromium Trioxide	X	X	G	C			X	X	E
Cinnamene	X	X	X	X			C	X	X
Cis-9-Octadecenoic Acid	X	X	X	C	E	E	G	C	C
Citric Acid	E	E	E	E	E	E	E	E	E
Coal Tar Oil	X	X	X	X	E	E	E	G	F
Coal Tar	X	X	X	X	E	E	C	C	C
Coal Tar Naphtha	X		X	X	E	E	X	X	X
Coconut Oil	X	X	C	C	E	E	E	C	C
Coke Oven Gas	C	X	C	X	E	E	X	X	C
Coolanol	X	X	X	X			E	C	C
Copper Chloride	E	E	E	E	E	E	E	C	C

CHEMICAL OR MATERIAL CONVEYED \ COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Copper Cyanide	E	E	E	E	E	E	E	E	E
Copper Hydrate	F		E				G		G
Copper Hydroxide	F		E				G		G
Copper Sulfate	C	G	C	E	E	E	E	E	E
Corn Oil	X	X	C	C	E	E	E	C	C
Cottonseed Oil	X	X	C	C	E	E	E	C	C
Creosote	X	X	X	X	E	E	C	C	X
Cresols	X	X	X	X	E	E	X	X	X
Cresylic Acid	X	X	X	X	E	E	X	X	X
Crotonaldehyde	X	F	E	E	E	E	X	X	X
Crude Oil	X	X	X	X	E	E	C	C	C
Cumene	X	X	X	X			X	X	X
Cupric Hydroxide	F		E				G		G
Cupric Nitrate	G		E	C	E	E	C	E	E
Cupric Sulfate	C	G	C	E	E	E	E	E	E
Cutting Oil	C	X	X	X			E	C	C
Cyclohexane	X	X	X	X	E	E	E	X	C
Cyclohexanol	C	X	X	X	E	E	G	C	C
Cyclohexanone	X	X	C	C	E	E	X	X	X
Cyclopentane	X		X	X			G	C	X
Cyclopentanone	X		X				X		X
Cyclopentil Alcohol				C			X	F	
D-Furaldehyde	X		C	E			G	F	C
Ddt In Kerosene	X	X	X	X			E	C	C
Decahydronaphthalene	X	E	X	X	E	E	X	X	X
Decalin	X	E	X	X	E	E	X	X	X
Decyl Alcohol	X		X	X			E	X	C
Decyl Aldehyde	X		F	X			X		X
Decyl Butyl Phthalate	X		E				X		X
Detergent, Water Solution	E	G	E	E	E	E	E	C	C
Developing Fluid	E	G	C	C			E	E	E
Dextron	X	X	X	X			E	C	X
Di (2Ethylhexyl) Adipate	X		E	G	G	G	X	X	X
Di (2Ethylhexyl) Phthalate	X	X	C	C	E	E	X	X	X
Di-Iso-Butylene	X	X	X	X	E		C	C	X
Di-Iso-Decyl Phthalate	X		E	E			X	X	X
Di-Iso-Propanolamine	G		E	E			G	G	F
Di-Iso-Propyl Ether	X		X	X	E	E	G	C	C
Di-Iso-Propyl Ketone	X	X	E	E	E		X	X	X
Di-P-Mentha-1,8-Diene	X		X	X			C	X	X
Diacetone Alcohol	X	X	E	E	E	E	X	F	C
Diacetylmethane		X	E	E			X	X	X
Diammonium Orthophosphate				E			E	E	
Diamyl Naphthalene	X		E		E	E			X
Diamylamine	G	X	E	E			G	C	C
Diamylene	X		X	X				X	X
Diamylphenol	X		X		E	E	X		X
Dibenzyl Ether	X	X	C	C			X	X	X
Dibromobenzene	X		X	X			X	X	X
Dibromomethane	X		X	C			X	X	X
Dibutyl Ether	X	X	C	C	E	E	X	C	X
Dibutyl Phthalate	X	X	C	C	E	E	X	X	X
Dibutyl Sebacate	X	X	C	C	E	E	X	X	X
Dibutylamine	X	X	X	F			X	C	C
Dicalcium Phosphate	E		E	E			E	E	E
Dichloroethylene	X		C	C	F	F	X	X	X
Dichloroacetic Acid	X	X	C	X	E	E	X	X	X
Dichlorobenzene	X	X	X	X			X	X	X
Dichlorobutane	X	X	X	X			C	X	X
Dichlorodifluoromethane	C	E	C	C	E	G	C	C	C
Dichloroethane	X	X	C	X	E	E	X	X	X
Dichloroethyl Ether	X		X	X			X	X	X
Dichlorohexane	X		X	X			X	X	X
Dichloromethane	X	X	X	X			X	X	X

TECHNICAL DATA
CHEMICAL RESISTANCE TABLE

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Dichloropentane	X	X	X	X			X	X	X
Dichloropropane	X		X	X	G	G	F	X	X
Dichloropropene	X		X	X	G	G	C	X	X
Diesel Oil	X	X	X	X	E	E	E	C	C
Diethanol Amine	G	X	E	G			C	G	F
Diethylbenzene	X	X	X						X
Diethyl Ether	X	X	X	X	E	E	X	X	X
Diethyl Ketone	X		G	G	E	E	X	X	X
Diethyl Oxalate	F		X	X			X	X	X
Diethyl Phthalate	X		X	F	E	E	X	X	X
Diethyl Sebacate	X	X	G	F			C	X	F
Diethyl Sulfate	X	E	C	E			X	E	X
Diethyl Amine	C	G	C	C	E	E	C	C	C
Diethylene Glycol	E	E	E	E	E	E	E	E	E
Diethylene Oxide	X		X	E			X	X	X
Diethylenetriamine	G	X	E	E			G	X	F
Dihydroxy Succinic Acid	E		G	G			G	G	E
Dihydroxydiethyl Ether	E		E	E	E	E	E	E	E
Diisobutyl Ketone	X	X	G	E	E	E	X	X	X
Diisodecyl Phthalate	X		E	E	E	E	X	X	X
Diisooctyl Adipate	X		E	E			X	X	X
Diisooctyl Phthalate	X		E	G	E	E	X	X	X
Dimethyl Carbinol	E		E	E	E	E	C	G	E
Dimethyl Ketone	C	F	E	E	E	E	X	C	X
Dimethyl Phthalate	X	X	C	C	E	E	X	X	X
Dimethyl Sulfate	X		G	X	E	E	X	X	X
Dimethyl Sulfide	X		F	X			X	X	X
Dimethylamine	G	X	G	E	E	E	F	X	X
Dimethylaniline	X	X	G	E			X	X	X
Dimethylbenzene	X	X	X	X			X	X	X
Dimethylbutane	X		X						X
Dioxane	X	X	C	C	E	E	X	X	X
Dipentene	X	X	X	X			C	X	X
Dipentylamine	G	X	E	E			G	C	C
Dipropylene Glycol	E		E	E			E	E	E
Disodium Phosphate	E		E	E			E	E	E
Divinyl Benzene	X	X	X	X			X	X	X
Dowthermn, A And E	X	X	X	X			X	X	C
Dry Cleaning Fluids	X	X	X	X			C	X	X
Ethanoic Acid		G		C	E	E	C	C	
Ethanol	E	E	E	E	E	E	C	E	E
Ethanolamine	C	X	C	E			C	C	C
Ethers	X	X	X	X	E	E	F	X	X
Ethyl Acetate	X	X	C	C	E	E	X	X	X
Ethyl Acetoacetate	C	F	C	C			X	X	X
Ethyl Acetone	X		G	G			X	X	X
Ethyl Acrylate	X	X	C	C			X	X	X
Ethyl Alcohol	E	E	E	E	E	E	C	E	E
Ethyl Aldehyde	C		E	E	E	E	X	X	F
Ethyl Aluminium Dichloride	X		X				X		X
Ethyl Benzene	X	X	X	X	E	E	X	X	X
Ethyl Bromide	C	X	X	X	E	E	C	X	X
Ethyl Butyl Acetate	X		E				X		G
Ethyl Butyl Alcohol	E		E						E
Ethyl Cellulose	C	G	C	C	E	E	C	C	C
Ethyl Chloride	C	G	E	C	E	E	E	X	C
Ethyl Dichloride	X	X	F	X	E	E	X	X	X
Ethyl Ether	X	X	X	X	E	E	X	X	X
Ethyl Formate	X	X	C	C			X	C	C
Ethyl Iodide	X		F	F	E	E	X	X	X
Ethyl Oxalate	E	X	X	E			X	X	X
Ethyl Phthalate	X		X	F	E	E	X	X	X
Ethyl Silicate	C	G	E	E			E	E	
Ethyl-N-Butyl Ketone	X	G	G				X	X	X

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Ethyl-1-Butanol	E		E	E			E	E	E
Ethylamine	C	X	C	E			C	C	F
Ethylene Chlorohydrin	C	G	C	C			X	C	C
Ethylene Diamine	C	G	E	E	E	E	C	E	C
Ethylene Dibromide	X	X	C	C	F	F	X	X	X
Ethylene Dichloride	X	X	C	X	F	F	X	X	X
Ethylene Glycol Monobutyl Ether	X	X	E	E	E	E	F	X	C
Ethylene Glycol Monoethyl Ether	X		C	C	E	E	C	X	X
Ethylene Glycol	E	E	E	E	E	E	E	E	E
Ethylene Oxide	X	X	C	C	E	E	X	X	X
Fatty Acids	X	X	C	X	E	G	C	C	C
Ferric Bromide	E		E				E		E
Ferric Chloride	E	E	E	E		E	E	C	C
Ferric Nitrate	E	E	E	E		E	E	E	E
Ferric Sulfate	E	E	E	E		E	E	E	E
Ferrous Acetate	X		E	G			X	X	E
Ferrous Chloride	E		E	E		E	E	E	E
Ferrous Sulfate	E	E	E	E		E	E	E	E
Fluoroboric Acid	E	E	C	E	E	E	E	E	E
Fluorine	X		X	E	G	G	X	X	X
Fluorosilicic Acid	E	G	E	E	E	E	E	E	E
Formaldehyde	C	G	C	C	E	E	C	C	C
Formalin	C	G	C	E	E	E	G	G	C
Formic Acid	C	E	E	E	E	E	C	C	E
Freon 113	C	G	X	X			E	E	C
Freon 12	X	E	X	C	F	G	C	C	E
Freon 22	C	E	C	C	F	E	X	E	E
Fuel A	X		X	X			E	C	C
Fuel B	X		X	X			C	X	X
Fuel Oil	X	X	X	X	E	E	E	C	C
Furan	X	X	X	X	E	E	X	X	X
Furfural	X	X	C	C	E	E	X	X	C
Fuel A (Astm)	X	X	X	X			E	C	X
Fuel B (Astm)	X	X	X	X			C	X	X
Fuel Oil	X	X	X	X	E	E	E	C	C
Furan	X	X	X	X	E	E	X	X	X
Furfural	X	X	E	C	E	E	X	X	X
Furfuran	X	X	X	X	E	E	X	X	X
Furfuryl Alcohol	X	X	C	C	E	E	X	X	X
Gallic Acid	E	G	C	C	E	E	C	C	C
Gallotannic Acid	E		G	E				E	E
Gasoline	C	X	C	X	E	E	E	X	C
Glacial Acrylic Acid	X		X	X			X	X	G
Gluconic Acid	X		F	E			C	E	G
Glucose	E	E	E	E	E	E	E	C	E
Glycerine	E	E	E	E	E	E	E	E	E
Glycerol	E	E	E	E	E	E	E	E	E
Glycogenic Acid	X		F	E			F	E	G
Glycols	E	E	E	E	E	E	E	E	E
Glyconic Acid	X		F	E			F	E	G
Glyclyl Alcohol									
Grease	X	X	X	X			E	F	C
Green Sulphate Liquor	C	G	E	E			C	C	G
Helium	E	E	E	E			E	E	E
Heptaldehyde	X	X	C	C			E	C	X
Heptanal	X	X	C	C			E	C	X
Heptane	X	X	X	X		E	E	C	C
Heptanoic Acid	X		X	X			E	C	C
Hexadecanoic Acid	E	G	G	G	E	E	E	X	X
Hexaldehyde	X	X	C	C	E	E	X	C	C
Hexane	X	X	X	X	E	E	E	C	C
Hexanol	E	E	C	C	E	E	C	C	C
Hexene	X	X	X	X			C	C	C
Hexyl Alcohol	E	E	C	C	E	E	C	C	C

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TECHNICAL DATA
CHEMICAL RESISTANCE TABLE

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Hexyl Methyl Ketone	X		G	G			X	C	X
Hexylamine	F		G	G			F	G	F
Hexylene Glycol	E		E	F			C	E	E
Histowax	X		X						C
Hydraulic & Motor Oil	X	X	C	C	E	E	C	C	C
Hydrazine	C	G	C	E			C	C	C
Hydrobromic Acid	E	X	E	E	E	E	X	C	E
Hydrocloric Acid	C	X	C	C	C	C	C	C	C
Hydrocyanic Acid	C	G	C	E			C	C	E
Hydrofluoric Acid	C	X	C	C	E	E	C	C	E
Hydrofluosilicic Acid	E	G	E	E	E	E	X	C	E
Hydrogen Chloride Anhydrous	X	X	E	E			X	C	E
Hydrogen Dioxide	G		G	G			F	F	C
Hydrogen Gas	C	G	E	E	E	E	E	E	E
Hydrogen Peroxide Over 10%	C	X	C	C	C	F	X	X	C
Hydrogen Peroxide 10%	G	X	G	G	E	E	F	F	C
Hydrogen Sulfide	X	X	E	E	E	E	X	E	G
Hydroxy Benzene	C		C	C			X	X	C
Hydroxyisobutyronirile	C		E	E			C	G	F
Hydroxytoluene	X	X	C	C			X	C	C
Iminodi-2-Propanol	G		E	E			G	G	F
Iminodiethanol	C	X	C	G			C	G	F
Iodine	X	G	C	C	E	E	C	C	C
Iodine Pentafluoride	X	X	X	X			X	X	X
Iodoform	X		X	E			E	X	X
Iso-Butanal	X	G		G	E	E	X	F	
Iso-Butylamine	F		E	G			X	X	F
Iso-Butylbromide	X		X	X			X	X	X
Iso-Butylcarbinol	X		E	E			E	E	E
Isocyanates	F		G	G	E	E	C	X	F
Isooctane	X	X	X	X	E	E	E	C	C
Isopropyl Acetate	X	X	C	C	E	E	X	X	X
Isopropyl Alcohol	E	E	E	E	E	E	C	C	E
Isopropyl Ether	X	X	X	X	E	E	G	X	C
Jet Fuels	X	X	X	X	E	E	C	C	X
Jp-4 Oil	X	X	X	X			E	X	X
Kerosene	X	X	X	X	E	E	E	C	C
Ketones	C	E	G	E	E	E	C	C	C
Lacquer Solvents	X	X	X	E	E	X	X	X	X
Lactic Acid - Cold	E	G	E	C	G	G	C	C	E
Lactic Acid - Hot	E	X	E	C	G	G	C	C	E
Lard	X	X	C	C	E	E	E	C	C
Lavender Oil	X	X	X	X			C	X	X
Lead Acetate	E	X	E	E	E	E	C	C	X
Lead Nitrate	E	E	E	E			E	E	E
Lead Sulfate	E		E	E	E	E	E	E	E
Lime	E		E	E	E	E	G	G	G
Lime Bleach	C	E	E	E			C	C	E
Lime Sulfur	C	X	E	E	E	E	E	E	E
Limonene	X		X	X			C	X	X
Linoleic Acid	X	X	X	X			C	C	X
Linseed Oil	X	X	C	C	E	E	E	C	C
Liquid Petroleum Gas	X	X	X	X	E	E	E	G	C
Lubricating Oil	X	X	X	X	E	E	C	C	C
Lye Solutions	E	G	E	G			C	G	E
Mek	X	X	E	E	E	E	X	X	X
Magnesium Acetate	X	X	E	G			X	X	E
Magnesium Chloride	E	E	E	E	E	E	E	E	E
Magnesium Hydrate	C	G	E	E	E	E	C	C	E
Magnesium Hydroxyde	C	G	E	E	E	E	C	C	E
Magnesium Sulfate	C	G	E	E	E	E	E	E	E
Maleic Acid	X	X	X	C	E	E	X	X	X
Maleic Anhydride	X	X	C	C			X	X	X
Malic Acid	E	G	X	C	C	C	E	C	C
Manganous Sulfate	G		G	E			E	E	E

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Mercury	E	E	E	E	E	E	E	E	E
Mercury Vapors	G	E	E	E			E	G	E
Mesityl Oxide	X	X	F	C			X	X	X
Methallyl Alcohol	E		E	E			E	E	E
Methallyl Chloride	X		X					X	X
Methane Carboxylic Acid (See Acetic Acid)					E	E			
Methanoic Acid	C	E	E	E	E	E	G	E	E
Methanol	E	E	C	E	E	E	C	E	E
Methoxy Ethanol	E		E	E	E	E	C	E	E
Methyl Acetate	C	X	C	C			X	C	X
Methyl Acetoacetate	X	X	C	C			X	X	X
Methyl Acetone	X	X	E	E	E	E	X	X	X
Methyl Allyl Chloride	X		X					X	X
Methyl Amyl Carbinol	G		G	E			E	G	E
Methyl Benzene	X	X	X	X	F	F	X	X	X
Methyl Bromide	X	X	C	X	F	F	C	X	X
Methyl Butane	X		X	X			E	X	X
Methyl Butyl Ketone	X	X	E	E	E	E	X	X	X
Methyl Carbitol				G			F	F	
Methyl Cellosolve	X	X	C	C	E	E	C	C	C
Methyl Chloride	X	X	C	C	F	F	X	X	X
Methyl Cyanide	G		E	E			C	E	G
Methyl Ethyl Ketone	X	X	E	E	E	E	X	X	X
Methyl Hexanol	E		E	E			E	E	E
Methyl Methacrilate	X	X	X	X	E	E	X	X	X
Methyl Normal Amyl Ketone	X			E			C	E	X
Methyl Propyl Ether	X		X	X			X	X	C
Methyl Salycilate	X		C	C	E	E	X	X	X
Methyl Styrene	X		X	X			X	X	X
Methyl Sulfide	X		F	X			X	X	X
Methyl-Iso-Amyl-Ketone	X		G						X
Methyl-2-Butanone	X	X	C	C			X	X	X
Methyl-2-Hexanone	X		G						X
Methyl-2-Pentanol	G		E	E			G	G	E
Methyl-2-Pentanone	X		C	C			X	X	X
Methyl-4-Isopropyl Benzene	X		X	X			X	X	X
Methyl Amyl Acetate	X								X
Methyl Amyl Alcohol	G		E	E			G	G	E
Methylcyclohexane	X		X	X			X	X	C
Methylene Bromide	X		X	X	E	E	C	X	X
Methylene Chloride	X	X	X	C	F	F	X	X	X
Methylethyl Ketone	X	X	E	E			X	X	X
Methyl Hexyl Ketone	X		G	G	E		X	C	X
Methyl Isobutyl Carbinol	G		E	C			X	X	E
Methylisobutyl Ketone	X	X	C	C	E	E	X	X	X
Methylisopropyl Ketone	X	X	C	C			X	X	X
Methyllactonitrile	F		E	E			X	G	F
Methylpropyl Carbinol	E		E				E		E
Methylpropyl Ketone	X		G	G	E	E	X	X	X
Mineral Oil	X	X	C	X	E	E	E	C	C
Mineral Spirits	X	X	X	X			C	C	G
Mobile Hf A	X	X	X	X			E	C	X
Molten Sulfur	G		G	E			G	E	E
Mono-Chloroacetic Acid	C	X	G	G	E	E	X	C	G
Monobutyl Ether	X	X	C	C			G	C	C
Monochlorobenzene	X	X	X	X	F	F	X	X	X
Monochlorodifluoromethane	C	E	C	C	E	E	X	C	E
Monoethanol Amine	C	G	C	C			G	G	C
Monoethyl Amine	C	F	C	E			C	C	F
Morpholine	X		C	C			X	X	X
Motor Oil, 40W	X		X	X			E	C	C
Mtbe			G				X	X	
Muriatic Acid	C	X	C	F			C	C	C
N-Butanal	X	X	C	C	E	E	X	X	X
N-Butylamine	X	X	C	C			C	X	X

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TECHNICAL DATA
CHEMICAL RESISTANCE TABLE

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Hexyl Methyl Ketone	X		G	G			X	C	X
Hexylamine	F		G	G			F	G	F
Hexylene Glycol	E		E	F			C	E	E
Histowax	X		X						C
Hydraulic & Motor Oil	X	X	C	C	E	E	C	C	C
Hydrazine	C	G	C	E			C	C	C
Hydrobromic Acid	E	X	E	E	E	E	X	C	E
Hydrocloric Acid	C	X	C	C	C	C	C	C	C
Hydrocyanic Acid	C	G	C	E			C	C	E
Hydrofluoric Acid	C	X	C	C	E	E	C	C	E
Hydrofluosilicic Acid	E	G	E	E	E	E	X	C	E
Hydrogen Chloride Anhydrous	X	X	E	E			X	C	E
Hydrogen Dioxide	G		G	G			F	F	C
Hydrogen Gas	C	G	E	E	E	E	E	E	E
Hydrogen Peroxide Over 10%	C	X	C	C	C	F	X	X	C
Hydrogen Peroxide 10%	G	X	G	G	E	E	F	F	C
Hydrogen Sulfide	X	X	E	E	E	E	X	E	G
Hydroxy Benzene	C		C	C			X	X	C
Hydroxyisobutyronirile	C		E	E			C	G	F
Hydroxytoluene	X	X	C	C			X	C	C
Iminodi-2-Propanol	G		E	E			G	G	F
Iminodiethanol	C	X	C	G			C	G	F
Iodine	X	G	C	C	E	E	C	C	C
Iodine Pentafluoride	X	X	X	X			X	X	X
Iodoform	X		X	E			E	X	X
Iso-Butanal	X	G		G	E	E	X	F	
Iso-Butylamine	F		E	G			X	X	F
Iso-Butylbromide	X		X	X			X	X	X
Iso-Butylcarbinol	X		E	E			E	E	E
Isocyanates	F		G	G	E	E	C	X	F
Isooctane	X	X	X	X	E	E	E	C	C
Isopropyl Acetate	X	X	C	C	E	E	X	X	X
Isopropyl Alcohol	E	E	E	E	E	E	C	C	E
Isopropyl Ether	X	X	X	X	E	E	G	X	C
Jet Fuels	X	X	X	X	E	E	C	C	X
Jp-4 Oil	X	X	X	X			E	X	X
Kerosene	X	X	X	X	E	E	E	C	C
Ketones	C	E	G	E	E	E	C	C	C
Lacquer Solvents	X	X	X	E	E	X	X	X	X
Lactic Acid - Cold	E	G	E	C	G	G	C	C	E
Lactic Acid - Hot	E	X	E	C	G	G	C	C	E
Lard	X	X	C	C	E	E	E	C	C
Lavender Oil	X	X	X	X			C	X	X
Lead Acetate	E	X	E	E	E	E	C	C	X
Lead Nitrate	E	E	E	E			E	E	E
Lead Sulfate	E		E	E	E	E	E	E	E
Lime	E		E	E	E	E	G	G	G
Lime Bleach	C	E	E	E			C	C	E
Lime Sulfur	C	X	E	E	E	E	E	E	E
Limonene	X		X	X			C	X	X
Linoleic Acid	X	X	X	X			C	C	X
Linseed Oil	X	X	C	C	E	E	E	C	C
Liquid Petroleum Gas	X	X	X	X	E	E	E	G	C
Lubricating Oil	X	X	X	X	E	E	C	C	C
Lye Solutions	E	G	E	G			C	G	E
Mek	X	X	E	E	E	E	X	X	X
Magnesium Acetate	X	X	E	G			X	X	E
Magnesium Chloride	E	E	E	E	E	E	E	E	E
Magnesium Hydrate	C	G	E	E	E	E	C	C	E
Magnesium Hydroxyde	C	G	E	E	E	E	C	C	E
Magnesium Sulfate	C	G	E	E	E	E	E	E	E
Maleic Acid	X	X	X	C	E	E	X	X	X
Maleic Anhydride	X	X	C	C			X	X	X
Malic Acid	E	G	X	C	C	C	E	C	C
Manganous Sulfate	G		G	E			E	E	E

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Mercury	E	E	E	E	E	E	E	E	E
Mercury Vapors	G	E	E	E			E	G	E
Mesityl Oxide	X	X	F	C			X	X	X
Methallyl Alcohol	E		E	E			E	E	E
Methallyl Chloride	X		X					X	X
Methane Carboxylic Acid (See Acetic Acid)					E	E			
Methanoic Acid	C	E	E	E	E	E	G	E	E
Methanol	E	E	C	E	E	E	C	E	E
Methoxy Ethanol	E		E	E	E	E	C	E	E
Methyl Acetate	C	X	C	C			X	C	X
Methyl Acetoacetate	X	X	C	C			X	X	X
Methyl Acetone	X	X	E	E	E	E	X	X	X
Methyl Allyl Chloride	X		X					X	X
Methyl Amyl Carbinol	G		G	E			E	G	E
Methyl Benzene	X	X	X	X	F	F	X	X	X
Methyl Bromide	X	X	C	X	F	F	C	X	X
Methyl Butane	X		X	X			E	X	X
Methyl Butyl Ketone	X	X	E	E	E	E	X	X	X
Methyl Carbitol				G			F	F	
Methyl Cellosolve	X	X	C	C	E	E	C	C	C
Methyl Chloride	X	X	C	C	F	F	X	X	X
Methyl Cyanide	G		E	E			C	E	G
Methyl Ethyl Ketone	X	X	E	E	E	E	X	X	X
Methyl Hexanol	E		E	E			E	E	E
Methyl Methacrilate	X	X	X	X	E	E	X	X	X
Methyl Normal Amyl Ketone	X			E			C	E	X
Methyl Propyl Ether	X		X	X			X	X	C
Methyl Salycilate	X		C	C	E	E	X	X	X
Methyl Styrene	X		X	X			X	X	X
Methyl Sulfide	X		F	X			X	X	X
Methyl-Iso-Amyl-Ketone	X		G						X
Methyl-2-Butanone	X	X	C	C			X	X	X
Methyl-2-Hexanone	X		G						X
Methyl-2-Pentanol	G		E	E			G	G	E
Methyl-2-Pentanone	X		C	C			X	X	X
Methyl-4-Isopropyl Benzene	X		X	X			X	X	X
Methyl Amyl Acetate	X								X
Methyl Amyl Alcohol	G		E	E			G	G	E
Methylcyclohexane	X		X	X			X	X	C
Methylene Bromide	X		X	X	E	E	C	X	X
Methylene Chloride	X	X	X	C	F	F	X	X	X
Methylethyl Ketone	X	X	E	E			X	X	X
Methyl Hexyl Ketone	X		G	G	E		X	C	X
Methyl Isobutyl Carbinol	G		E	C			X	X	E
Methylisobutyl Ketone	X	X	C	C	E	E	X	X	X
Methylisopropyl Ketone	X	X	C	C			X	X	X
Methyllactonitrile	F		E	E			X	G	F
Methylpropyl Carbinol	E		E				E		E
Methylpropyl Ketone	X		G	G	E	E	X	X	X
Mineral Oil	X	X	C	X	E	E	E	C	C
Mineral Spirits	X	X	X	X			C	C	G
Mobile Hf A	X	X	X	X			E	C	X
Molten Sulfur	G		G	E			G	E	E
Mono-Chloroacetic Acid	C	X	G	G	E	E	X	C	G
Monobutyl Ether	X	X	C	C			G	C	C
Monochlorobenzene	X	X	X	X	F	F	X	X	X
Monochlorodifluoromethane	C	E	C	C	E	E	X	C	E
Monoethanol Amine	C	G	C	C			G	G	C
Monoethyl Amine	C	F	C	E			C	C	F
Morpholine	X		C	C			X	X	X
Motor Oil, 40W	X		X	X			E	C	C
Mtbe			G				X	X	
Muriatic Acid	C	X	C	F			C	C	C
N-Butanal	X	X	C	C	E	E	X	X	X
N-Butylamine	X	X	C	C			C	X	X

PIRTEK

TECHNICAL DATA
CHEMICAL RESISTANCE TABLE

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Propylene Diamine	G		E				G		F
Propylene Glycol	E	E	E	E	E	E	E	E	E
Pydraul, 'E' Series	X	X	C	C			X	X	X
Pydraulic 'C'	X	X	X	X			X	X	X
Red Oil	X	X	X	F	E	E	E	F	C
Refrigerant 11	X	X	X		E	E			E
Refrigerant 12	X	E	X		E	E			E
Refrigerant 22	C	E	X		E	E			E
Resorcinol	E	G	E	G			C	A	G
Sae No. 10 Oil	X	X	X	X			E	C	X
Sal Ammoniac	E	E	E	E	E	E	E	E	E
Sea Water	E	E	E	E	E	E	E	E	E
Sewage	G	G	G	G	E	E	E	C	E
Silicate Esters	X	C	X	X			G	E	G
Silicate Of Soda	E	E	E	E			E	E	E
Silicone Grease	E	E	E	E	E	E	E	E	E
Silicone Oil	E	E	E	E	E	E	E	E	E
Silver Nitrate	E	G	E	E	E	E	C	E	E
Skydrol 500 Type 2	X	X	G	E			X	X	X
Skydrol 500B	X	X	G	E			X	X	X
Skydrol 500C	X	X	G	E			X	X	X
Skydrol 7000 Type 2	E	X	E	E			X	X	X
Soap Solutions	F	X	E	E	E	E	E	G	E
Soda Ash	E	X	E	E	E	E	E	E	E
Soda Lime	E		E	E			G	G	G
Soda Niter	G	G	E	E	E	E	E	G	E
Sodium Acetate	F	X	F	E	E	E	G	C	G
Sodium Aluminate	E	G	E	E			E	E	E
Sodium Bicarbonate	E	E	E	E	E	E	E	E	E
Sodium Bisulfate	E	G	E	E	E	E	E	E	E
Sodium Bisulfite	E	G	E	E	E	E	E	E	E
Sodium Borate	E	E	E	E	E	E	E	E	E
Sodium Carbonate	E	E	E	E	E	E	E	E	E
Sodium Chloride	E	E	E	E	E	E	E	E	E
Sodium Cyanide	E	E	E	E	E	E	E	E	E
Sodium Dichromate	X	G	E	E			E	F	G
Sodium Hydrate	E	G	E	E	E	E	X	G	C
Sodium Hydrochlorite	F	G	G	G			F	F	E
Sodium Hydroxide	E	G	E	E	E	E	X	G	C
Sodium Hypochlorite	X	F	C	E	E	E	C	C	G
Sodium Metaphosphate	E	E	G	E	E	E	E	E	C
Sodium Nitrate	G	G	E	E	E	E	C	G	E
Sodium Perborate	G	G	E	E			C	G	E
Sodium Peroxide	C	G	E	E	E	E	C	G	G
Sodium Phosphate	E	E	E	E	E	E	E	G	E
Sodium Silicate	E	E	E	E	E	E	E	E	E
Sodium Sulfate	C	G	E	E	E	E	E	E	E
Sodium Sulfide	G	G	E	E	E	E	E	E	E
Sodium Sulfite	G	G	E	E	E	E	E	E	E
Sodium Thiosulfate	G		E	E	E	E	C	E	E
Soybean Oil	X	X	G	C			E	E	G
Stannic Chloride	E	E	E	E	E	E	E	G	E
Stannic Sulfide	E		E	E			E	E	E
Stannous Chloride	E	E	E	G	E	E	E	E	E
Stannous Sulfide	E		E	E			E	E	E
Steam, Below 350 Deg F	C	X	G	E	X	X	X	X	C
Stearic Acid	C	G	C	G	E	E	G	G	G
Stoddard Solvent	X	X	X	X	E	E	E	G	X
Styrene	X	X	X	X	F	F	X	X	X
Sulfamic Acid	G		E	E			C	G	E
Sulfur	X	X	E	E	E	E	X	E	E
Sulfur Chloride	X	X	X	E			C	E	
Sulfur Dioxide	C	G	C	E		G	X	C	C
Sulfur Trioxide, Dry	C	X	G	E	X	X	X	X	X
Sulfuric Acid 60%	X	X	E	E	X	X	G	X	G

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Sulfuric Acid, Conc.	X	X	X	X	F	F	X	X	X
Sulfuric Acid, Fuming	X	X	X	X	X	X	X	X	X
Sulfuric Acid, 25%	E	F	G	E	E	E	C	C	E
Sulfuric Acid, 25%-50%	G	F	G	E	E	E	C	X	G
Sulfuric Acid, 50%-96%	C	X	C	X	G	G	X	X	C
Sulfurous Acid, 10%	G	G	E	E	E	E	E	C	E
Sulfurous Acid, 10%-75%	G	G	E	E	E	E	F	C	E
T-Butyl Amine	X		C	C			C	X	X
Tall Oil	X	X	X	X			E	C	F
Tallow	X	X	X	E	E	E	E	G	F
Tannic Acid	E	G	E	E	E	E	E	E	E
Tar	X	X	X	X	X	F	X	X	
Tar Bituminous	X	X	X	X			G	C	X
Tartaric Acid	E	G	G	G	E	E	E	E	E
Tellone 2	C								
Tertiary Butyl Alcohol	C	G	C	C			C	C	C
Terpineol	X	X	C						X
Tertiary Butyl Amine	X		C	C			C	X	X
Tertiary Butyl Mercaptan	X	X	X	X			X	X	X
Tetrachlorobenzene	X		X	X			X	X	X
Tetrachloroethane	X	X	X	X	F	F	X	X	X
Tetrachloroethylene	X	X	X	X	F	F	C	X	X
Tetrachloromethane	X		X	X	E	E	X	X	X
Tetrachloronaphthalene	X		X	X	E	E	X	X	X
Tetraethylene Glycol	E		E	E			E	E	E
Tetraethylorthosilicate	X		E	E			E	E	
Tetrahydrofuran	X	X	C	X			X	X	X
Tin Chloride	E		E	E	E	E	E	C	C
Titanium Tetrachloride	X	X	X	X			C	C	X
Toluene	X	X	X	X	E	E	X	X	X
Toluidine	X		X	X	E	F	C	X	X
Toluol	X	X	X	X	E	E	X	X	X
Transformer Oil	X	X	X	X	E	E	C	C	C
Transmission 'A' Oil	X		X	X			E	C	C
Tri-Amine	C		E	E			G	C	C
Tributyl Phosphate	C	X	G	G			F		X
Tributylamine	G		E				G		F
Trichloroacetic Acid	C	X	C	C			C	C	X
Trichlorobenzene	X	X	X	X	F	F	C	X	X
Trichloroethane	X	X	X	X			X	X	X
Trichloroethylene	X	X	X	X	F	F	X	X	X
Trichloromethane	X	X	X	X	F	F	X	X	X
Trichlorotoluene	X			E			X	X	X
Tricresyl Phosphate	X	X	E	E			X	X	X
Triethanolamine	C	G	E	E	E	E	C	C	C
Triethylamine	G	X	G	E			E	G	E
Triethylene Glycol	E		E	E	E	E	C	E	E
Trihydroxybenzoic Acid	E		C	C			C	C	G
Trimethyl Pentane	X	X	X	X			E	G	C
Trimethylamine	E		E	C			C	E	E
Trisodium Phosphate	E	E	E	E	E	E	E	E	E
Tritoyl Phosphate	X	X	E	E			X	C	C
Tung Oil	X	X	C	X	E	E	E	C	C
Tung Oil	X	X	C	X	E	E	E	C	C
Turpentine	X	X	X	X	E	E	E	X	X
Unsymetrical Dimethyl Hydrazine	E	X	E	E			C	C	E
Undecyl Alcohol	E		E	E			E	E	E
Urea	E		E	E	E	E	G	G	E
Uric Acid	E		E	E			C	E	E
Varnish	X	X	X	X	E	E	G	X	X
Vegetable Oils	X	X	C	F	E	E	E	C	G
Versilube F44	E	E	E	E			E	E	E
Versilube F55	E	E	E	X			E	E	E
Vinegar	G	G	E	E	E	E	G	G	E
Vinegar Acid	G		E		E	E			E

TECHNICAL DATA
CHEMICAL RESISTANCE TABLE

CHEMICAL OR MATERIAL CONVEYED / COMPOUND	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Vinyl Acetate	X	X	E	G	E	E	C	C	F
Vinyl Benzene	X	X	X	X	F	F	C	X	X
Vinyl Chloride	X	X	C	E	E	E	X	X	C
Vinyl Cyanide	G	F	X	X	E	E	X	X	G
Vinyl Ether	X		X				G		G
Vinyl Toluene	X		X	X			X	X	X
Vinyl Trichloride	X		X	X			X	X	X
Vm & Naphtha	X	X	X	X			G	F	X
Water	E	C	E	E	E	E	E	G	E
Water, Boiling	E		E	E			G	G	E
Water, Soda					E	E			
Wemco C	X	X	X	X			E	C	X
Whiskey	E	E	E	E	E	E	E	E	E
White Oil	X	X	X	X	E	E	E	G	C
White Pine Oil	X	X	X	X			C	X	X
Wines	E	E	E	E	E	E	E	E	E
Wood Alcohol	E	E	C	E	E	E	C	E	E
Wood Oil	X	X	C	X	E	E	E	C	C
Xenon	E	E	E	E			E	E	E
Xylene, Xylon	X	X	X	X	F	F	X	X	X
Xylidine	X	X	G	G			C	X	X
Zeolites	E	E	E	E			E	E	E
Zinc Acetate	E	X	E	E			G	C	
Zinc Carbonate	E		E	E			E	E	E
Zinc Chloride	E	E	E	E	E	E	E	E	E
Zinc Chromate	E		E	E			C	E	G
Zinc Sulfate	E	G	E	E	E	E	E	E	E
O-Aminotoluene	X		C	C			X	X	X
1 Undecanol	E	E	E	E	E	G	E	E	E
1-Amino-2-Propanol	G		E	E			C	E	F
1-Aminobutane	X	X	C	C			C	X	X
1-Aminopentane	F		G	X			F	C	F
1-Bromo-2-Methyl Propane	X		X	X			X	X	X
1-Bromo-3-Methyl Butane	X		X	X			X	X	X
1-Bromobutane	X		X	X			X	X	X
1-Chloro-2-Methyl Propane	X		X	X			X	X	X
1-Chloro-3-Methyl Butane	X		X	X			X	X	X
1-Decanol	X		X	X	E	E	E	X	C
1-Hendecanol	E		E	E			E	E	E
1,4-Dioxane	X		C	C	E		X	X	X
2(2Aminoethylamino) Ethanol	G		E						G
2(2Ethoxyethoxy) Ethanol	C	G	C	C			C	C	C
2(2Ethoxyethoxy) Ethyl Acetate	X	X	G	X			X	X	G
2-Aminoethanol	C	F	C	E			C	C	C
2-Chloro-1-Hydroxy-Benzene	X		X	X			X	X	X
2-Chlorophenol	X	X	X	X			X	X	X
2-Chloropropane	X	X	X	X			X	X	X
2-Ethoxyethanol	X	X	C	C	E	E	C	X	X
2-Ethoxyethyl Acetate	C		C	G	E	E	X	X	X
2-Ethyl	X		G				X		X
2-Ethyl-1-Hexanol	G	G	C	C	E	E	C	C	C
2-Ethylhexanoic Acid	F		F				F		G
2-Ethylhexyl Acetate	X		E	C	C		X		G
2-Octanone	X		G	G			X	C	
3-Bromopropene	X		X	X			X	X	X
3-Chloropropene	X	E	C	X	E	G	C	X	X
3-Coal Oil	X		X	X			E	G	F
4-Hydroxy-4-Methyl-2-Pentanone	X	X	E	E	E	E	X	F	C