





# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

**KEY:**

E = EXCELLENT

G = GOOD

F = FAIR

C = CONDITIONAL

X = UNSATISFACTORY

BLANK = NO DATA

CHEMICAL OR MATERIAL CONVEYED

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SANTOPRENE SBR TEFLON UHMW URETHANE VITON XLPE

AMINOETHANE		E															
AMINOXYLENE		C															
AMMONIUM CARBONATE (AQ)	E		E			E	E	X	G	E				G	C		
AMMONIUM CHLORIDE (AQ)	E	E	E	E	E	E	E	E	X	E		E	E	E	C	E	
AMMONIUM HYDROXIDE	E	E	E	G	C	X	E	X	E	X		E	E	X	C	E	
AMMONIUM NITRATE (AQ)	E		E	E			E	E	E	E		E	E	X	C	E	
AMMONIUM PHOSPHATE, DIBASIC	E	E	E	E		E	E	E	E	E		E	E		C	E	
AMMONIUM SULPHATE (AQ)	E	E	E	E	C	E	E	E	E	E		E	E	E	X	E	
AMMONIUM SULPHITE	E	E		E		E				E						E	E
AMMONIUM THIOSULPHATE	E	E		E		E				E		E		G	E	E	
AMYL ACETATE	E	C	X	X	C	X	X	X	E	X	X	C	E	X	X	E	
AMYL ACETONE	G			X		X				X					X	E	
AMYL ALCOHOL	E	E	E	E	E	E	G	X	E	E	X	E	E	X	G	E	
AMYL BROMIDE		C															
AMYL CHLORIDE	X	G	X	X		X	X			X		E	E	C	G	G	
AMYL ETHER		E															
AMYLAMINE	E	G		F		G				G							
ANETHOLE	X	X		X		X			G	X			G		G	G	
ANILINE	E	G	C	X	X	X	X	X	X	X	E	E	E	X	C	E	
ANILINE DYES	G	G	G	G		G	G	X	X	G		F	E	X	G	E	
ANILINE OIL	G		G	X		X	X	X		X				X	C		
ANIMAL FATS	G	E	C	X	C	X	C	E	E	X	X		E	C	E	E	
ANTIMONY PENTACHLORIDE	X			X		X				X							E
AQUA REGIA	X	G	C	C		X	X	X		X		E	X	X	G	X	
ARGON	G		E	X	E	X	X	C	E	X		E	E	E		E	
ARSENIC ACID	E	E	E	E		E	E	E		E		E		C	E	E	
ASPHALT	X		X	X	C	X	X	X	E	X		E	X	G	E	X	
ASTM FUEL A	X	E	X	G	E	X	E	E	E	X	X	E	G	E	E	G	
ASTM FUEL B	X	G	X	X	E	X	X	E	E	X	X	E	G	E	E	G	
ASTM FUEL C	X	G	X	X	E	X	X	G	E	X	X	E	G	X	E	G	
ASTM OIL NO. 1	X	E	X	G	E	X	E	E	E	X	X	E	E	E	E	E	
ASTM OIL NO. 2	X	E	X	X	E	X	G	E	E	X	X	E	E	E	E	E	
ASTM OIL NO. 3	X	G	X	X	C	X	X	E	E	X	X	E	E	E	E	E	
ASTM OIL NO. 4	X		X	X		X	X	G		X			E	X	E	E	
AUTOMATIC TRANSMISSION FLUID	X	E	X	C		X	G	E		X			E	G	E	E	
BANANA OIL	C	G	C					X		X				E			E
BARIUM CHLORIDE (AQ)	E	E	E	E		E	E	E	X	E		E	E	G	E	E	
BARIUM HYDROXIDE (AQ)	E	E	E	E	C	E	E	E	E	E		E	E	E	E	E	
BARIUM SULFIDE (AQ)	E	E	E	E		E	E	E	F	E		E	E	E	E	E	
BEER	E	E	G	E	G	E	G	C	G	E		E	E	X	E	E	
BEET SUGAR LIQUORS	E	E	E	E		E	G	E	E	E		E	G	X	E	E	
BENZAL CHLORIDE	G	X												E			E
BENZALDEHYDE	E	C	E	X	X	X	X	X	E	X	X	C		X	X	E	
BENZENE	X	X	X	X	C	X	X	X	E	X	X	G	G	X	E	E	
BENZENE CARBOXYLIC ACID		E															
BENZINE	X		X	X		X	G	E	E	X		E		G	E	E	
BENZOIC ACID	X	E	X	X		X	X	X	G	X		G		X	E	E	
BENZOL		G	X					X	F			E	G				
BENZOTRICHLORIDE		X											G				G



# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

KEY:  
 E = EXCELLENT  
 G = GOOD  
 F = FAIR  
 C = CONDITIONAL  
 X = UNSATISFACTORY  
 BLANK = NO DATA

CHEMICAL OR MATERIAL CONVEYED

	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SANTOPRENE SBR	TEFLON	UHMW	URETHANE	VITON	XLPE	
BENZYL ACETATE	G	G		X		X				X			E		X	E
BENZYL ALCOHOL	X	E	X	F		X	C	X	C	X	X	E	E	X	E	E
BENZYL CHLORIDE	G	X	G	C		C	X	X		C		E	E		C	E
BENZYL ETHER		C														
BIS (2-CLOROETHYL) ETHER		G														
BLACK SULFATE LIQUOR	E		E	G		G	G	G	F	G		E	E	X	E	
BLEACH (2-15%)	G		G	F		X	X	X		X		E	E	X	G	G
BORAX SOLUTION	E	E	E	E	E	G	E	C	E	G	G	E	E	G	E	E
BORIC ACID		E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
BRAKE FLUID (HD-557) 12 DAYS	G	E	E	G			G	C	E	E		E			X	
BRINE	E	E	E	E		E	E	F	C	E		E	E		E	E
BROMACIL			E													
BROMOBENZENE	X	X	X	X		X	X	X		X			C	X	G	C
BROMOCHLOROMETHANE	G	G	G	X		X	X	X		X					X	G
BROMOETHANE		G														
BROMOTOLUENE	X	X		X		X				X					G	F
BUGDIOXANE																E
BUNKER OIL	X		X	X		X	X	E		E		E		G	E	E
BUTADIENE	X		X	C		X	X	X		X		E		X	G	E
BUTANE	E	G	X	G	E	X	E	E	E	X		E	E	E	E	E
BUTANOIC ACID		E														
BUTANOL (BUTYL ALCOHOL)	E	E	G	E	E	E	E	E	E	E	G	E	E	G	E	E
BUTANONE		G			X			X	E		X	G	E	X		E
BUTOXYETHANOL		E														
BUTYL ACETATE	G	G	C	X	C	X	X	X		X		C	E	X	X	E
BUTYL ACRYLATE	X	G	X	X		X	X	X					G		X	G
BUTYL ALCOHOL	E	E	E	E		E	E	E		E		G	E	G	E	E
BUTYL ALDEHYDE	E	G				F							E		X	E
BUTYL BENZYL PHTHALATE	E		E	X		X	X	C		X			E		C	E
BUTYL CARBITOL	E	E	E	C		X	C	X		X		E	E		C	C
BUTYL CELLUSOLVE	E	E	G	X		X	X	C		X		E	E	E	X	E
BUTYL CHLORIDE	F	C		X		X				X			C		G	G
BUTYL ETHER	C	E	C	X		X	X	C		X			E	G	X	E
BUTYL ETHER ACETALDEHYDE	E			X		X				X			E		X	E
BUTYL ETHYL ETHER	G			X		X				X			E			E
BUTYL OLEATE	G		G	X		X	X	X		X					E	
BUTYL PHTHALATE	E	C		X		X				X					F	E
BUTYL STEARATE	X	G	X	X		X	X	G		X		E	E		C	E
BUTYLENE	X		X	X		X	C	G		X				X	E	
BUTYRALDEHYDE	E	G	G	X		X	X	X		X		E	E	X	X	E
BUTYRIC ACID	F	E	G	X	C	F	X	X		X		E	E		G	E
BUTYRIC ANHYDRIDE	F			G		F				X		E			X	E
CADIUM ACETATE	G	E		X		X				X			E			E
CALCIUM ALUMINATE	E			E		E				E					E	E
CALCIUM BICHROMATE	E			F												G
CALCIUM BISULFIDE			X		G		C	E	F			E				
CALCIUM CHLORIDE	E	E	E	E	E	E	E	E	C	E		E	E	E	E	E
CALCIUM HYDROXIDE	E	E	E	G	E	E	E	E	E	G		E	E	E	E	E
CALCIUM HYPOCHLORITE	G	E	E	F	E	X	X	X	X	X		E	C	X	X	C



# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

**KEY:**

- E = EXCELLENT
- G = GOOD
- F = FAIR
- C = CONDITIONAL
- X = UNSATISFACTORY
- BLANK = NO DATA

**CHEMICAL OR MATERIAL CONVEYED**

BUTYL    CPE    EPDM    HYPALON    HYTREL    NATURAL    NEOPRENE    NITRILE    NYLON    SANTOPRENE    SBR    TEFLON    UHMWV    URETHANE    VITON    XLPE

CALCIUM NITRATE	E	E	E	E		E	E	E	E	E		E	E	E	E	E
CALCIUM SULFIDE	E	E	E	E		E	E	G		E		E	E	E	E	E
CALCIUM ACETATE	G	E	E	X		X	G	G		X		E	E	X	X	E
CAPRYLIC ACID	F	E		G		F				X						E
CARBAMIDE		E														
CARBITOL	F	E	G	X		X	G	G		X		E	E	X	G	E
CARBOLIC ACID PHENOL	E	E	G	X		X	X	X		X		E	E		E	E
CARBON DIOXIDE	E		C	E	E	E	C	X	E	E		E	E	E	G	E
CARBON DISULFIDE	X	C	X	X		X	X	X	X	X		E	E	X	E	C
CARBON MONOXIDE	E		C	E	E	E	C	E	E	G		E	E	G	E	E
CARBON TETRACHLORIDE	X	X	X	X	C	X	X	X	G	X	X	E	G	X	E	G
CARBONIC ACID	E	E	G	E	X	E	X	X	X	E	X	E		X	E	E
CASTOR OIL	E	E	G	E	G	F	E	E	E	G		E	E	G	E	E
CAUSTIC SODA (SEE SODIUM HYDROXIDE)																
CELLOSOLVE ACETATE	E		G	X		X	X	X	F	X		E	E	X	X	E
CELLUGUARD	E		G	E		E	E	E	E	E		E		X	E	
CETYLIC ACID		E														
CHINA WOOD OIL (TUNG OIL)	C		X	X		X	G	E		X				C	E	
CHLORINATED SOLVENTS	X		X	X		X	X	X	C	X		E		X	E	G
CHLORO-2-PROPANONE		X														
CHLOROACETIC ACID	F		X	X	X	X	X	X	X	X	X	C	E	X	X	E
CHLOROACETONE	G	X	E	X		X	X	X		X		E	E	X	X	E
CHLOROBENZENE	X	X	X	X	X	X	X	X	E	X	X	E	G	X	E	G
CHLOROBUTANE	F	C		X		X				X				G		E
CHLORODANE			E					E								
CHLOROETHYL BENZENE	X	X		X		X				X				E		G
CHLOROFORM	X	X	X	X	X	X	X	X	X	X	X	E	E	X	E	G
CHLOROPENTANE	X	G		X		X				X				E		E
CHLOROSULFONIC ACID	X	X	X	X	X	X	C	X	X	X		C	X	X	X	G
CHLOROTOLUENE	X	X	X	X		X	X	X		X		E	G	X	G	G
CHLOROX	G	E	G	G		X	G	G		X				G	X	E
CHROME PLATING SOLUTIONS	X		G	X		X	X	X		X				E	X	E
CHROMIC ACID	F	E	C	G	X	X	X	X	X	X	X	E	E	X	C	G
CHROMIUM TRIOXIDE		E														
CINNAMENE		C														
CIS-9-OCTADECENOIC ACID	G	E		X		X				X						C
CITRIC ACID	E		E	E	E	E	E	E	E	E	E	E	E	E	E	C
COAL OIL	X		X	X		X		X	E	X	X			E		E
COAL TAR	X		X	X		X	G	E		X				E		E
COAL TAR NAPHTHA	X			X		X				X						E
COCONUT OIL	G		C	X		X	G	E		X		E	E	C	C	E
COKE OVEN GAS	X		X	X		X	X	X	E	X		C		X	E	E
COOLANOL (MONSANTO)			X	G	X	X	E	E		X				X	E	
COPPER CHLORIDE	E	G	E	E	E	F	C	C	C	E		X	E	G	E	E
COPPER CYANIDE	E		E	E		E	E	E		E		E	E	E	E	E
COPPER HYDRATE	E			G		F				G			E		F	E
COPPER HYDROXIDE	E			G		F				G					F	E
COPPER SULFATE	E	E	E	E	E	F	E	E	X	E		E	E	G	E	E
CORN OIL	E	G	C	X	G	X	C	E	G	X		G	E	G	E	E



# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

KEY:

E = EXCELLENT

G = GOOD

F = FAIR

C = CONDITIONAL

X = UNSATISFACTORY

BLANK = NO DATA

CHEMICAL OR MATERIAL CONVEYED

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SBR SANTOPRENE TEFLON UHMW URETHANE VITON XLPE

	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
COTTONSEED OIL	C	G	C	X	G	X	C	C	E	X		E	E	G	E	C
CREOSOTE	X		X	X		X	C	C	X	X	X	E	E	C	E	E
CRESOLS	X	E	X	X		X	X	X	X	X	X	E	E	X	E	E
CRESYLIC ACID	X		X	X		X	X	X		X		E	E	X	E	E
CROTONALDEHYDE	E	E		X		X				X			E		X	E
CRUDE OIL	X		X	X		X	X	G	E	X		E	E		E	E
CUMENE	X	C	X	X		X	X	X		X		E	E	X	E	E
CUPRIC CARBONATE	E	E		E		F				E			E		E	E
CUPRIC HYDROXIDE		E														
CUPRIC NITRATE	E	E		E		F				E			E	G	E	E
CUPRIC SULFATE	E	E		E		F				E			E	G	E	E
CUTTING OIL	X		X	G		X	G	E		X		E		E	E	
CYCLOHEXANE	X	E	X	X	E	X	X	G	E	X	X	E	E	G	X	E
CYCLOHEXANOL	X	E	X	X		X	G	C	E	X	X	E	E		E	E
CYCLOHEXANONE	X	C	X	X		X	X	X	E	X	X	E	E	X	X	E
CYCLOPENTANE	X	G		X		X				X			E		E	E
CYCLOPENTANOL	X	E		X		X				X			E		G	E
CYCLOPENTANONE	X	G		X		X				X						E
CYCLOPENTYL ALCOHOL		E														
D-FURALDEHYDE		E														
DDT IN KEROSENE	X		X	X		X	F	E	E	X		E			E	E
DECAHYDRONAPHTHALENE		C														
DECAHYDROXYNAPHTHALENE		C														
DECALIN	X	X	X	X		X	X	X		X		E	X		E	E
DECYL ALCOHOL	E	E		E		E				E			E		G	E
DECYL ALDEHYDE	E			X		X				X			E		X	E
DECYL BUTYL PHTHALATE	E			X		X				X			E		F	E
DECYL CARBINOL		E														
DETERGENT, WATER SOLUTION	E	G	E	G		G	G	E		G		E		X	E	
DEVELOPING FLUID (PHOTO)	G		G	E		E	E	E		G					E	
DEXTRON	X		X	X		X	G	E		X				G	E	
DI(2ETHYLHEXYL) ADIPATE		C														
DI(2ETHYLHEXYL) PHTHALATE		C														
DI-ISO-BUTYLENE	X		X	X		X	X	G		X				X	E	E
DI-ISO-DECYL PHTHALATE		E														
DI-ISO-PROPANOLAMINE	E	E														
DI-ISO-PROPYL ETHER	F	E		X		X				X						E
DI-ISO-PROPYL KETONE	G	C	E	X		X	X	X		X		E		X	X	E
DI-P-MENTHA-1,8-DIENE		G														
DIACETONE ALCOHOL	E	E	X	X		X	X	X		X		E	E	X	X	C
DIACETYLMETHANE		E														
DIALLYLPHTHALATE		G														
DIAMMONIUM PHOSPHATE									E							
DIAMYL NAPHTHALENE	E			X		X				X					F	E
DIAMYLAMINE	E	E		G		F				G						
DIAMYLENE	X	G		X		X				X					E	E
DIAMYLPHENOL	X	E		X		X				X					E	E
DIBENZYL ETHER	E	C	X	X		X	X	X		X		E	E	G	X	E
DIBROMOBENZENE	X			X		X				X			G		E	E



# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

KEY:

E = EXCELLENT  
 G = GOOD  
 F = FAIR  
 C = CONDITIONAL  
 X = UNSATISFACTORY  
 BLANK = NO DATA

CHEMICAL OR MATERIAL CONVEYED

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SBR SANTOPRENE TEFLON UHMW URETHANE VITON XLPE

	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
DIBROMOMETHANE		C														
DIBUTYL ETHER	G	E	C	X		X	X	X		X		E	E	C	C	E
DIBUTYL PHTHALATE	C	C	C	X	E	X	X	X	E	X		E	E	X	C	E
DIBUTYL SEBACATE	E	G	G	X		X	X	X		X		E	E	X	F	E
DIBUTYLAMINE	X	E	X	X		X	X	X		X		E	E	X	X	
DICALCIUM PHOSPHATE	E			E		E				E					E	E
DICHLORO ETHYLENE					X				C		X			C		
DICHLOROACETIC ACID	F	G		X		G				X					X	E
DICHLOROBENZENE	X	X	X	X	X	X	X	X	E	X	X	G	E	X	E	G
DICHLOROBUTANE	X	C	C	C		C	C	G		X			E	X	E	E
DICHLORODIFLUOROMETHANE	X			X		X				X					G	
DICHLOROETHANE	X	C		X		X				X					E	E
DICHLOROETHYL ETHER	X	G		X		X				X						E
DICHLOROHEXANE	X	C		X		X				X			E		E	E
DICHLOROMETHANE	X	C		X		X				X			E		E	E
DICHLOROPENTANE	X	C		X		X				X			E		E	E
DICHLOROPROPANE	X	C		X		X				X		E	E		E	E
DICHLOROPROPENE												E	E		E	E
DICHLOROTOLUENE		X														
DIESEL OIL	X		X	C	C	X	C	E	E	X	X	E	E	C	E	C
DIETHANOL AMINE	E	E		F	C	G				G			E			
DIETHLBENZINE	X	C	X	X		X	X	X		X			E	X	E	E
DIETHYL ETHER	X	E	X	X		X	C	X	G	X		G		G	X	E
DIETHYL KETONE	G	C		X		F				X					X	E
DIETHYL OXALATE	E	E		X		E				E						E
DIETHYL PHTHALATE	E	G	G	X	E	X	X		E	X		E	E		F	E
DIETHYL SEBACATE	E	G	C	X	G	X	X	X		X	E			X	E	
DIETHYL SULFATE		E														
DIETHYLAMINE	E	E	G	C		G	C	C		G		E	E	C	X	C
DIETHYLENE GLYCOL	E	E	E	E		E	E	E		E			E	X	E	C
DIETHYLENE OXIDE		G														
DIETHYLENETRIAMINE	E	E		F		G				G			E			
DIETHYLTRIAMINE	E	E		F		G				G						
DIHYDROXY DIETHYL ETHER		E														
DIHYDROXY SUCCINIC ACID		E														
DIHYDROXYDIETHYL ETHER	E			E		E				E					E	
DIISOBUTYL KETONE	G		G	X		X	X	X		X			E		X	E
DIISODECTYL PHTHALATE	E			X		X				X			E		F	E
DIISOCTYL ADIPATE	E			X		X				X			E		F	E
DIISOCTYL PHTHALATE	E			X		X				X			E		F	E
DIMETHYL CARBINOL		E											E			
DIMETHYL KETONE		E											E			
DIMETHYL PHTHALATE	G	E	G	X		X	X	X		X		E	E		G	E
DIMETHYL SULFATE		E														
DIMETHYL SULFIDE		G														
DIMETHYL-3-PENTANONE		C														
DIMETHYL-4-HEPTANONE		C														
DIMETHYLAMINE		E										E	E			E
DIMETHYLANILINE	C	C	G	X			C	C		C		E	G			



# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

**KEY:**

E = EXCELLENT

G = GOOD

F = FAIR

C = CONDITIONAL

X = UNSATISFACTORY

BLANK = NO DATA

**CHEMICAL OR MATERIAL CONVEYED**

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SBR SANTOPRENE TEFLON UHMW URETHANE VITON XLPE

DIMETHYLBENZENE		X														E			
DIMETHYLBUTANE		G																	
DIOCTYL ADIPATE		C														E			
DIOCTYL PHTHALATE	E	C	C	X	G	X	X	C	G	X			G	E			G	E	
DIOXALANE	C	G	G	X		X	X	X		X			E	E	X	X	X	E	
DIOXANE	G	G	G	X		X	X	X		X			E	E	X	X			
DIPENTENE	X	G	X	X		X	X	G		X			E		X	E			
DIPENTYLAMINE		G																	
DIPROPYLAMINEOLAMINE	E	G		G		G				G									
DIPROPYLENE GLYCOL	E	E		E		E				E							E		
DISODIUM PHOSPHATE	E	E		E		E				E			E						E
DIVINYL BENZENE	X	X		X		X				X			E			E	E	E	
DOWELL INHIBITOR		G																	
DOWFAX 2A1 SOLVENT		E																	
DOWFAX 2A1 TA		E																	
DOWFAX 6A1 SOLVENT		G																	
DOWFAX 6A1 TA		E																	
DOWTHERM, A AND E	X	C	X	X		X	X	X	C	X			E	E			E	E	
DRY CLEANING FLUIDS	X		X	X			X	C		X							E		
DUCGKIRIOEBAANE	X																		
DURO AW16, 31			X					E	E				E						
DURO FR-HD			X					E	E				E						
ETHANOIC ACID		E											C						
ETHANOL (GRAIN ALCOHOL)	E		E	E	E	E	E	C	E	E	E	C	E	E	X	C	E		
ETHANOLAMINE	E	E	E	C		G	G	G		G			E	E		X	G		
ETHERS	X		C	X		X	X	X	E	X			E		G	C			
ETHYL ACETATE	G	G	C	X	C	X	X	X	E	X	E	F	E	X	X	E			
ETHYL ACETOACETATE	G	E	G	X		X	X	X		X			E		X	E			
ETHYL ACETONE		G																	
ETHYL ACRYLATE	G	G	G	X		X	X	X		X			E		X	G			
ETHYL ALCOHOL	E		E	E	E	E	E	C	E	E	E	C	E		C	E			
ETHYL ALDEHYDE	E					F							E		X	E			
ETHYL ALUMINUM DICHLORIDE	X			X		X				X					G	G			
ETHYL BENZENE	X	X	X	X		X	X	X		X			E	E		E	E		
ETHYL BROMIDE	X	C	X	X		X	X	G							C	E			
ETHYL BUTYL ACETATE	G			X		X				X			E		X	E			
ETHYL BUTYL ALCOHOL	E			E		E				E			E		G	E			
ETHYL CELLULOSE	G		G	G		G	G	G	C	G			E	E	G	X	E		
ETHYL CHLORIDE	F		X	X	X	X	X	X	E	X	X	E	G	C	E	G			
ETHYL DICHLORIDE	X	C		X		X				X						G	G		
ETHYL DIISOBUTYLTHIO-CARBAMATE						E				E									
ETHYL ETHER	C	E	X	X		X	X	C		X			E	E	G	X	E		
ETHYL FORMATE	G	E	G	X		X	G	X		X			E	E		X	E		
ETHYL IODIDE	X	C		X		X				X			G		G	G			
ETHYL OXALATE	X	E	X	X		X	X	X		X			E	E	E	E	E		
ETHYL PHTHALATE		G											E						
ETHYL SILICATE	E	E	E	G		F	E	E		F			E	E		E	E		
ETHYL-N-BUTYL KETONE	G	C		X		X				X					X	E			
ETHYL-1-BUTANOL	E	E		E		E				E					E	E			













# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

KEY:  
 E = EXCELLENT  
 G = GOOD  
 F = FAIR  
 C = CONDITIONAL  
 X = UNSATISFACTORY  
 BLANK = NO DATA  
**CHEMICAL OR MATERIAL CONVEYED**

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SBR SANTOPRENE TEFLON UHMW URETHANE VITON XLPE

	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
METHYLPROPYL CARBINOL		E														
METHYLPROPYL KETONE	G	G		X		X				X					X	E
MINERAL OIL	X	E	X	F	E	X	C	E	E	X	X	E	E	E	E	E
MINERAL SPIRITS	X		X	X		X	F	E		X			E		E	E
MOBILE HFA			X					E	E			E				
MOLTEN SULFUR	G			F		X				X			X		G	X
MONO-CHLOROACETIC ACID	F	E		X		G				X					C	E
MONOBUTYL ETHER	F			X		X				X					X	E
MONOCHLOROBENZENE	X		X	X	C	X	X	X	G	X	X	E	G	X	E	G
MONOCHLORODIFLUOROMETHANE	F			X		X				X					X	C
MONOETHANOL AMINE	E		E	X		E	X	X		X			E	X	X	E
MONOETHYL AMINE	G			F		F				F					C	C
MONOETHYLAMINE		E										E				E
MORPHOLINE			X					X	X			E				
MOTOR OIL, 40W		E											E			
MTBE	G	X					X	X		X		G	G		X	
MURIATIC ACID	F	E	F	X		E	X	X		X			E		E	E
N-BUTANAL		G														
N-BUTYLAMINE	X	G	X	X		X	X	C		X				X	X	
N-BUTYLBENZENE	X	C		X		X				X					E	E
N-BUTYLBROMIDE	X	C		X		X				X					G	G
N-BUTYLBUTYRATE	F	C		X		X				X					X	G
N-BUTYLCARBINOL		E														
N-NONYL ALCOHOL		E														
N-OCTANE	X	E	X	X		X	G	G		X				X	E	G
N-SERV (75% XYLENE)									E			E			E	C
NA-K			X					X				X				
NAPHTHA	X	E	X		E	X	X	C	E	X	X	E	E	E	E	E
NAPHTHALENE	F	E	X	X	C	X	X	X	E	X	X	E	E	C	C	E
NAPHTHENIC ACIDS		E	X	X		X	X	G		X		E			E	
NATURAL GAS	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
NEOHEXANE	X	G		X		X				X					E	E
NEON GAS	E		E	E		E	E	E	E	E	E	E		E	E	
NEU-TRI	X			X		X				X					E	E
NICKEL ACETATE	E		E	X		E	G	G		X		E	E	X	X	E
NICKEL CHLORIDE	E	E	E	E		E	G	E	X	E		E	E	C	E	E
NICKEL NITRATE	E	E	E	E		E	E			E			E		E	E
NICKEL SULFATE	E	E	E	E		E	E	E	E	E		E	E		E	E
NIETYLENE						E										
NITRIC ACID, CONC (16N)	C	X	X	G	C	X	X	X	X	X	X	E	E	X	C	G
NITRIC ACID, RED FUMING	G	X	X	X	C	X	X	X	X	X	X	E	X	X	X	X
NITRIC ACID, 10%	G		C	X	C	X	X	X	X	X	E	E	E	X	X	C
NITRIC ACID, 13N		E										E				
NITRIC ACID, 13N +5%		E										E				
NITRIC ACID, 20%	G		G	X	F	X	X	X		X		E	E		C	E
NITRIC ACID, 30%	F		C	X	X	X	X	X	X	X		G	E	C	C	E
NITRIC ACID, 30% - 70%	F		F	F		X	X	X		X			E		C	G
NITRILOTRIETHANOL		E														
NITROBENZENE	F	C	X	X	C	X	X	X	E	X	C	E	E	X	G	E







# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

KEY:

- E = EXCELLENT
- G = GOOD
- F = FAIR
- C = CONDITIONAL
- X = UNSATISFACTORY
- BLANK = NO DATA

CHEMICAL OR MATERIAL CONVEYED

BUTYL    CPE    EPDM    HYPALON    HYTREL    NATURAL    NEOPRENE    NITRILE    NYLON    SANTOPRENE    SBR    TEFLON    UHMW    URETHANE    VITON    XLPE

PROPANOL	E	E		E		E				E					F	E
PROPANOLAMINE		E														
PROPANONE		E														
PROPEN-L-OL		E														
PROPENEDIAMINE		E														
PROPENENITRILE		E														
PROPENYL ALCOHOL		E														
PROPENYLANISOLE		X														
PROPIONIC ACID			E				X									E
PROPIONITRILE			X			G	E								E	
PROPYL ACETATE	G	G	G	X		X	X	X		X			E	X	X	E
PROPYL ALCOHOL	E	E	E	E		E	E	E		E			E	C	E	E
PROPYL ALDEHYDE	E					F							E		X	E
PROPYL BENZENE		C														
PROPYL CHLORIDE	F	C		X		X				X			E		G	G
PROPYL ETHER		E														
PROPYL NITRATE	G	G	G	X		X	X	X		X					X	
PROPYLENE	X	E	X	X		X	X	X		X					X	E
PROPYLENE DIAMINE	E			F		G				G						
PROPYLENE GLYCOL	E			E		E				E		E	E	E	E	
PYDRAUL, 'E' SERIES		G	E	X	E	X	X	X	E	X		E	E		X	E
PYDRAULIC 'C'			X		E		X	X				E			E	
QUINTOLUBRIC 822 SERIES	X		X			X	X	G							G	
RED OIL	X	E	X	G		X	G	E		X		E		G	E	
REFRIGERANT 11			X				X	G							G	
REFRIGERANT 12			X				G	E							G	
REFRIGERANT 22			X				G	X							G	
RESORCINOL					X			X	X		X	E		X		
SAE NO.10 OIL				X	E		C	G	E		X	E		E	X	
SAL AMMONIAC	E	E	E	E		E	E	E		E				E	E	
SEA WATER	E		E	E	E	E	G	E	E	E	E	E	E	E	E	E
SEWAGE	F	E	F	E		F	E	E	E	F		E	E	X	C	E
SILICATE ESTERS	X		X	E		X	E	G	E	X		E			E	
SILICATE OF SODA	E	E		E		E				E					E	E
SILICONE GREASE	E	E	E	E	E	E	E	E		E		E			E	
SILICONE OIL	E	E	E	E		E	E	E		E			E		E	
SILVER NITRATE	E	E	E	E		E	E	G		E		E	E	E	E	E
SKYDROL 500 TYPE 2			E	X			X	X				E			X	
SKYDROL 500B	G	G	E	X	E		X		E		E	E		C	X	
SKYDROL 500C	G	G		X	E		X					E			X	
SKYDROL 7000 TYPE 2			E				X	X				E			G	
SOAP SOLUTIONS	E	E	E	E	E	G	G	E	E	E	E	E		C	E	E
SODA ASH	E	E	E	E		E	E	E	E	E		E			E	E
SODA LIME	E			G		E				G			E		F	E
SODA NITER	E	E		E		E				E					E	E
SODA, CAUSTIC	E			E		G				G			E		F	E
SODIUM ACETATE	G	E	E	X		X	G	G		X		E	E	E	X	E
SODIUM ALUMINATE	E	E		E		E				E			E		E	E
SODIUM BICARBONATE	E		E	E		E	E	E		E		E	E		E	



# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

KEY:  
 E = EXCELLENT  
 G = GOOD  
 F = FAIR  
 C = CONDITIONAL  
 X = UNSATISFACTORY  
 BLANK = NO DATA  
 CHEMICAL OR MATERIAL CONVEYED

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SBR SANTOPRENE TEFLON UHMW URETHANE VITON XLPE

	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
SODIUM BISULFATE	F	E	E	E		F	E	E	E	F		E	E		C	E
SODIUM BISULFITE	E	E	E	E		E	E	E		E		E	E		E	C
SODIUM BORATE	E	E	E	E		E	E	E		E		E	E		E	E
SODIUM CARBONATE 10% - 15%	E	E	E	E		E	E	E		E		E	E		E	E
SODIUM CHLORIDE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SODIUM CYANIDE	E	E	E	E		E	E	E	E	E		E	E		C	E
SODIUM DICHROMATE	E	E	E	F	X	C	C	C		C			E		C	G
SODIUM HYDRATE	E			G		E				G					F	E
SODIUM HYDROCHLORITE	G		G	F		X	X	X		X					G	G
SODIUM HYDROXIDE (CAUSTIC SODA)	E	E	E	G	G	E	G	X	C	G		E	E	G	G	E
SODIUM HYPOCHLORITE	G	E	G	F	E	X	X	G	X	X	E	E	E	X	E	G
SODIUM METAPHOSPHATE	E	E	E	G		E	G	E		E		E	E		E	E
SODIUM NITRATE	E	E	E	E		E	G	G	E	E		E	E	X	C	E
SODIUM PERBORATE	E		E	G		G	G	G	E	G		E	E		E	E
SODIUM PEROXIDE	E	G	E	G	C	G	G	G		G		E	E	X	E	E
SODIUM PHOSPHATE	E	E	E	E		E	G	E	E	E		G	E	E	E	E
SODIUM SILICATE	E	E	E	E		E	E	E	E	E		E	E		E	E
SODIUM SULFATE	E	E	E	E		E	E	E	E	E		E	E		E	E
SODIUM SULFIDE	E	E	E	E		E	E	E	E	E				E	E	E
SODIUM SULFITE	E	E	E	E		E	E	E		E			E	E	E	E
SODIUM THIOSULFATE	E	E	E	E		E	E	G	E	E		E	E	E	E	E
SOYBEAN OIL	E		C	G	C	X	G	E	E	X		E	E	G	E	E
STANNIC CHLORIDE	E	E	E	E		E	X	E	E	E		E	E			E
STANNIC SULFIDE	E			E		E				E						E
STANNOUS CHLORIDE	E	E	E	E	C	E	E	E		E		E	E		C	E
STANNOUS SULFIDE	E			E		E				E						E
STEAM, BELOW 350° F	G	X	E	X	C	X	X	X	X	X		E	X	X	X	X
STEARIC ACID	G	E	G	X	C	X	G	G	E	X	E	E	E	E	C	E
STODDARD SOLVENT	X	E	X	X		X	G	E		X		E	E	E	E	E
STYRENE	X	C	X	X	X	X	X	X	E	X		E	G	E	G	G
SULFAMIC ACID	E	E	E	G		G	G	G		G					C	C
SULFUR	F		F	F		X	X	X		X		E	E		G	X
SULFUR CHLORIDE	X		X	G		X	C	C	G	X		E	E		E	E
SULFUR DIOXIDE	G		G	G	C	C	X	X	X	C		E	G		C	C
SULFUR TRIOXIDE, DRY	G	X	G	X		G	X	X	X	G		E	X		E	G
SULFURIC ACID 60% (200F)		G											X			X
SULFURIC ACID, CONC. TO 98%	X	X	X	E	C	X	X	X	X	X		C	E	X	E	E
SULFURIC ACID, FUMING	X	X	X	X	X	X	X	X		X		E	X		X	X
SULFURIC ACID, 25%	E		E	X	X	G	X	X	X	X		E	E	X	F	E
SULFURIC ACID, 25% - 50%	E	E	E	X	X	G	X	X	X	X		E	E	X	G	E
SULFURIC ACID, 50% - 96%	X		X	G	X	X	X	X	X	X		E	E	X	E	E
SULFUROUS ACID, 10%	E	E	G	E	G	E	X	X		G		E	E		C	E
SULFUROUS ACID, 10% - 85%	E	E	G	E	G	E	X	X		X		E	E		C	E
SUTAN												E			F	E
T-BUTYLAMINE			G	X												
TALL OIL	X		X	X		X	G	E		X			E		E	C
TALLOW	X		X	X		X	G	E		X			E		C	C
TANNIC ACID	E	E	E	E	E	E	G	E	X	F	E	E	E	C	C	C
TAR	X		X	X		X	G	X	X	X		E	X		E	X





# HOSE • FITTINGS • ACCESSORIES

3220 N. Mannheim Rd. • Franklin Park, Illinois 60131

INDUSTRIES, INCORPORATED

Phone: 847-455-4550 • Fax: 847-455-4559 • www.geibind.com

## CHEMICAL RESISTANCE CHART

KEY:  
 E = EXCELLENT  
 G = GOOD  
 F = FAIR  
 C = CONDITIONAL  
 X = UNSATISFACTORY  
 BLANK = NO DATA

CHEMICAL OR MATERIAL CONVEYED

BUTYL CPE EPDM HYPALON HYTREL NATURAL NEOPRENE NITRILE NYLON SBR SANTOPRENE TEFLON UHMW URETHANE VITON XLPE

CHEMICAL OR MATERIAL CONVEYED	BUTYL	CPE	EPDM	HYPALON	HYTREL	NATURAL	NEOPRENE	NITRILE	NYLON	SBR	SANTOPRENE	TEFLON	UHMW	URETHANE	VITON	XLPE
TAR BITUMINOUS	X		X	X		X	C	G		X		E			E	
TARTARIC ACID	E	E	G	E	C	C	G	E	X	X	E	E	E	C	C	C
TELONE 2																E
TERPINOL	C	E	C	X		X	X	G		X		E	G	G	E	G
TERTIARY BUTYL ALCOHOL	E	G	G	E		E	G	G		E		E		X	E	E
TERTIARY BUTYL AMINE			G	X												
TERTIARY BUTYL MERCAPTAN	X		X	X		X	X	X		X		E			E	
TETRACHLOROBENZENE	X			X		X				X					G	G
TETRACHLOROMETHANE	X	C		X		X				X					E	E
TETRACHLOROETHYLENE	X	X	X	X		X	X	X	C	X			E	X	E	E
TETRACHLORONAPHTHALENE	X			X		X				X					G	G
TETRAETHYLENE GLYCOL	E			E		E				E					E	
TETRAETHYLOTHOSILICATE		E			G			X								
TETRAHYDROFURAN	X	X	X	X	G	X	X		C	X	X			X	X	C
THF									C							C
TIN CHLORIDE	E			E		E		G		E			E			E
TITANIUM TETRACHLORIDE	X	X	X	X	C	X	X	X		X			G	X	E	
TOLUENE	E	X	X	X		X	X		E	X	X	E	E	X	E	G
TOLUIDINE		C														
TOLUOL		C														
TRANSFORMER OIL	X	E	X	C		X	G	E		X		E	E	E	E	
TRANSMISSION 'A' OIL	X	E	X	X		X	G	E	E	X		E		E	E	F
TRI (2-HYDROXYETHYL) AMINE		E														
TRIBUTYL PHOSPHATE	E	C	G	X		X	X	X	E	X		E	E	X	X	E
TRIBUTYLAMINE	E	E		F		G	G			G						
TRICHLOROACETIC ACID	G		G	X		C	X	G		G		E	E	X	C	E
TRICHLOROBENZENE	X	X		X		X				X					G	G
TRICHLOROETHANE	X	X	X	X		X	X	X		X		E		X	E	G
TRICHLOROETHYLENE	X	X	X	X	C	X	X	X	E	X		X	G	X	E	G
TRICHLOROMETHANE		X														
TRICHLOROTOLUENE		X														
TRICRESYL PHOSPHATE	E	E	X	X		X	X	X		X		E	E	X	G	E
TRIETHANOLAMINE	E	E	G	G	X	E	G	C		X		E	E	X	X	E
TRIETHYLAMINE	E	E		F		G				G						
TRIETHYLENE GLYCOL	E	E		E		E				E					E	
TRIHYDROXYBENZOIC ACID		E														
TRIMETHYL PENTANES (MIXED)		E														
TRIMETHYL PENTENE		E														
TRIMETHYLAMINE		E										E	E			E
TRISODIUM PHOSPHATE	E	E	E	E	E	E	E	E	E	E		E		E	E	E
TRITOYL PHOSPHATE		E														
TUNG OIL							G						E			
TUNG OIL (CHINA OIL)	C		X	C	C	X	G	E		X		E	E	C	E	E
TURPENTINEX	X	G	X	X		X	X	X	E	X	X	E	G	E	E	G
UDMH			E	E		E	G	G		E					X	
UNDECYL ALCOHOL		E														
UREA	E	E					E		E			E	E	E		E
URETHANE FORMULATIONS								E	E			E				
URIC ACID									E		E					

