

## UNC-Charlotte Glove Selection Chart

### Mineral Acids

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Chromic*		F	F	F	NR	P	E
Hydrochloric(HCl)	10%	G	G	G	G	-	-
Hydrochloric(HCl)	36%	F	F	P	F	E	E
Hydrofluoric	10%	G	G	G	F	G	G
Muriatic (HCl)		G	G	G	G	E	-
Nitric*	10%	G	F	G	F	F	G
Nitric*	20%	F	F	F	P	F	G
Sulfuric*	10%	E	E	E	G	G	E
Sulfuric*	20%	E	E	E	F	G	E

\*A known or suspected carcinogen

### Organic Acids

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Acetic	84%	F	F	E	G	G	P
Citric		G	G	G	G	E	E
Formic		G	F	G	G	E	F
Lactic	88%	G	E	E	E	E	E
Oxalic		G	G	G	G	E	E

### Alcohols

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Benzyl		G	G	G	F	G	E
Ethyl		E	E	E	G	E	G
Methyl		G	F	F	G	E	P

### Aldehydes

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Acetaldehyde*		G	F	G	F	E	P
Benzaldehyde		P	G	F	P	E	P
Formaldehyde*		G	G	E	G	E	P

\*A known or suspected carcinogen

### Aliphatic Solvents

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Mineral Spirits		E	E	E	P	-	-

### Alkalis

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Ammonium Hydroxide	26%	G	E	E	G	E	G
Potassium Hydroxide (KOH)	45%	G	E	E	G	E	F
Sodium Hydroxide*(NaOH)	50%	G	E	G	G	E	G

\*A known or suspected carcinogen

### Aromatic Solvents

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Benzene*		P	F	P	NR	P	G
Stoddards*		G	G	F	P	P	E
Toluene*		P	F	P	NR	P	E
Xylene*		P	E	F	NR	P	E

\*A known or suspected carcinogen

### Chlorinated Solvents

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Carbon Tetrachloride*		F	F	P	NR	P	E
Chlorobenzene*		P	F	P	NR	P	E
Perchloroethylene*		P	P	P	NR	P	E
Trichloroethylene*		P	P	F	NR	P	E

### Esters

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Butyl Acetate*		F	F	P	P	G	P
Ethyl Acetate*		F	F	P	P	G	P

\*A known or suspected carcinogen

### Amines

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Diethylamine		G	G	G	F	G	P
Methylamine		F	F	P	F	G	-

### Ethers

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Ethyl Ether*		G	G	P	F	G	P

\*A known or suspected carcinogen

### Oils and Fats

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Airplane Hydraulic Oil (Texaco BB)		F	F	P	P	P	E
Animal Fats		G	G	G	P	G	E
Cutting Oil (Rigid)		F	G	E	F	F	E
Linseed Oil		F	G	F	P	G	E
Mineral Oil		G	G	F	P	P	E
Vegetable Oil		F	G	F	F	E	E

### Oxides

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Carbon Dioxide		G	G	G	G	-	-
Nitrous Oxide		F	F	G	F	-	-

### Ketones

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Acetone*		F	P	P	G	E	P
Methyl Ethyl* (MEK)		P	NR	NR	G	E	P
Methyl Isobutyl*		F	P	NR	G	G	P

### Inorganic Salts

Chemical	%	Neoprene	Nitrile	PVC	Natural Rubber	Butyl Rubber	Viton
Copper Sulfate		G	G	G	G	-	-