



## GLOVE SELECTION CHART

### EXAMPLES OF CHEMICAL RESISTANCE OF COMMON GLOVE MATERIALS

**E=EXCELLENT, G=GOOD, F=FAIR, P=POOR. (-) = NO RESISTANCE**

CHEMICAL	NOTES	NATURAL			
		RUBBER	NEOPRENE	NITRILE	VINYL
Acetaldehyde		G	G	E	G
Acetic Acid		E	E	E	E
Acetone		G	G	G	F
Acrylonitrile		P	G	-	F
Ammonium Hydroxide SAT		G	E	E	E
Aniline		F	G	E	G
Benzaldehyde		F	F	E	G
Benzene	a	P	F	G	F
Benzyl Chloride	a	F	P	G	P
Bromine		G	G	-	G
Butane		P	E	-	P
Butyraldehyde		P	G	-	G
Calcium Hypochlorite		P	G	G	G
Carbon Disulfide		P	P	G	F
Carbon Tetrachloride	a	P	F	G	F
Chlorine		G	G	-	G
Chloroacetone		F	E	-	P
Chloroform	a	P	F	G	P
Chromic Acid		P	F	F	E
Cyclohexane		F	E	-	P
Dibenzyl Ether		F	G	-	P
Dibutyl Phthalate		F	G	-	P
Diethanolamine		F	E	-	E
Diethyl Ether		F	G	E	P
Dimethyl Sulfoxide	b	-	-	-	-
Ethyl Acetate		F	G	G	F
Ethylene Dichloride	a	P	F	G	P
Ethylene Glycol		G	G	E	E
Ethylene Trichloride	a	P	P	-	P
Fluorine		G	G	-	G
Formaldehyde		G	E	E	E
Formic Acid		G	E	E	E
Glycerol		G	G	E	
Hexane		P	E	-	P
Hydrochloric Acid (conc.)		G	G	G	E

GLOVE SELECTION CHART - CONTINUED

EXAMPLES OF CHEMICAL RESISTANCE OF COMMON GLOVE MATERIALS						
CHEMICAL	NOTES	NATURAL				
		RUBBER	NEOPRENE	NITRILE	VINYL	
Hydrofluoric Acid (30%)		G	G	G	E	
Hydrogen Peroxide		G	G	G	E	
Iodine		G	G	-	G	
Methylamine		G	G	E	E	
Methyl Cellusolve		F	E	-	P	
Methyl Chloride	a	P	E	-	P	
Methyl Ethyl Ketone		F	G	G	P	
Methylene Chloride	a	F	F	G	F	
Monoethanolamine		F	E	-	E	
Morpholine		F	E	-	E	
Naphthalene	a	G	G	E	G	
Nitric Acid (conc.)		P	P	P	G	
Perchloric Acid		F	G	F	E	
Phenol		G	E	-	E	
Phosphoric Acid		G	E	-	E	
Potassium Hydroxide SAT		G	G	G	E	
Propylene Dichloride	a	P	F	-	P	
Sodium Hydroxide		G	G	G	E	
Sodium Hypochlorite		G	P	F	G	
Sulfuric Acid		G	G	F	G	
Toluene	a	P	F	G	F	
Trichloroethylene	a	P	F	G	F	
Tricresyl Phosphate		P	F	-	F	
Triethanolamine		F	E	E	E	
Trinitrotoluene		P	E	-	P	

NOTES:

- a Aromatic and halogenated hydrocarbons will attack all types of natural and most synthetic glove materials.
- b Butyl rubber recommended for handling DMSO.

For more detailed information concerning glove material selection consult with the Chemical Hygiene Officer.