

Material Chemical Resistance Chart

Chemicals	Glove Material			
	Nitrile	Latex	PVC	Neoprene
A				
Acetaldehyde	Poor	Fair	Do Not Use	Excellent
Acetic Acid	Good	Good	Fair	Excellent
Acetone	Do Not Use	Good	Do Not Use	Good
Acetonitrile	Do Not Use	Fair	Do Not Use	Fair
Ammonium Hydroxide < 30%	Excellent	Good	Excellent	Excellent
Amyle Acetate	Excellent	Fair	Poor	Do Not Use
Amyl Alcohol	Good	Good	Do Not Use	Poor
Aniline	Do Not Use	Poor	Fair	Good
Animal Fats	Excellent	Poor	Good	Excellent
B				
Battery Acids	Excellent	Good	Excellent	Excellent
Benzaldehyde	Do Not Use	Fair	Do Not Use	Do Not Use
Benzene	Poor	Do Not Use	Do Not Use	Do Not Use
Benzoyl Chloride	Do Not Use	Poor	Do Not Use	Do Not Use
Butane	Excellent	Poor	Poor	Fair
Butyl Acetate	Fair	Poor	Do Not Use	Do Not Use
Butyl Alcohol	Poor	Excellent	Good	Excellent
Butyl Cellulosolve	Excellent	Excellent	Do Not Use	Excellent
C				
Carbon Acid	Poor	Poor	Good	Excellent
Carbon Disulfide	Do Not Use	Do Not Use	Do Not Use	Do Not Use
Carbon Tetrachloride	Good	Do Not Use	Do Not Use	Poor
Castor Oil	Excellent	Excellent	Excellent	Excellent
Cellosole Acetate	Good	Good	Do Not Use	Excellent
Cellosole Solvent	Good	Excellent	Do Not Use	Excellent
Chlorobenzene	Do Not Use	Do Not Use	Do Not Use	Do Not Use
Chloroform	Fair	Do Not Use	Do Not Use	Fair
Chloronaphalens	Fair	Do Not Use	Do Not Use	Do Not Use
Chloroethene VG	Fair	Do Not Use	Poor	Do Not Use
Chromic Acid	Fair	Do Not Use	Good	Fair
Citric Acid	Excellent	Excellent	Excellent	Excellent
Cottonseed Oil	Excellent	Poor	Good	Excellent
Cresols	Good	Poor	Fair	Good
Cutting Oil	Excellent	Fair	Poor	Excellent
Cyclohexane	Excellent	Poor	Poor	Excellent
Cyclohexanol	Excellent	Poor	Good	Fair
D				
Dibutyl Phthalate	Good	Poor	Good	Fair
Diethylamie	Fair	Do Not Use	Do Not Use	Poor
Di-Isobutyl Ketone	Excellent	Poor	Poor	Poor
Dimethyl Formamide (DMF)	Do Not Use	Excellent	Do Not Use	Good
Dimethyl Sulfoxide (DMSO)	Excellent	Excellent	Do Not Use	Excellent
Dicotyl Phthalate (DOP)	Good	Poor	Do Not Use	Good
Dioxane	Do Not Use	Do Not Use	Do Not Use	Do Not Use
E				
Ethyl Acetate	Do Not Use	Poor	Do Not Use	Fair
Ethyl Alcohol	Excellent	Excellent	Good	Excellent
Ethylene Dichloride	Do Not Use	Poor	Do Not Use	Do Not Use
Ethylene Glycol	Excellent	Excellent	Excellent	Excellent
Ethyl Ether	Excellent	Do Not Use	Do Not Use	Excellent
Ethylene Trichloride	Poor	Poor	Do Not Use	Poor
F				
Formaldehyde	Excellent	Excellent	Excellent	Excellent
Formic Acid	Fair	Excellent	Excellent	Excellent
Freon	Fair	Do Not Use	Do Not Use	Good
Furfural	Do Not Use	Excellent	Do Not Use	Good
G				
Gasoline	Excellent	Do Not Use	Poor	Poor
Glycerin	Excellent	Excellent	Excellent	Excellent
H				
Hexane	Excellent	Do Not Use	Do Not Use	Excellent
Hydraulic Fluid (Petroleum)	Excellent	Poor	Good	Fair
Hydraulic Fluid (Easter)	Poor	Poor	Poor	Poor
Hydrazine 65%	Excellent	Good	Excellent	Excellent
Hydrochloric Acid	Excellent	Excellent	Excellent	Good
Hydrofluoric Acid	Excellent	Excellent	Excellent	Good
Hydrogen Peroxide	Excellent	Excellent	Excellent	Excellent
Hydroquinone	Excellent	Excellent	Excellent	Good
I				
Isobutyl Alcohol	Excellent	Excellent	Fair	Excellent
Iso-Octane	Excellent	Do Not Use	Poor	Excellent
Isopropyl Alcohol	Excellent	Excellent	Good	Excellent

Chemicals	Glove Material			
	Nitrile	Latex	PVC	Neoprene
K				
Kerosene	Excellent	Poor	Fair	Excellent
L				
Lactic Acid	Excellent	Excellent	Excellent	Excellent
Lauric Acid	Excellent	Good	Fair	Excellent
Linoleic Acid	Excellent	Poor	Good	Excellent
Linseed Oil	Excellent	Poor	Excellent	Excellent
M				
Maleic Acid	Excellent	Poor	Good	Excellent
Methyl Acetate	Poor	Poor	Do Not Use	Good
Methyl Alcohol	Excellent	Excellent	Good	Excellent
Methylamine	Excellent	Excellent	Excellent	Good
Methyl Bromide	Do Not Use	Do Not Use	Do Not Use	Do Not Use
Methylene Chloride	Do Not Use	Do Not Use	Do Not Use	Do Not Use
Methyl Ethyl Ketone (MEK)	Do Not Use	Good	Do Not Use	Good
Methyl Isobutyl Ketone	Poor	Fair	Do Not Use	Do Not Use
Methyl Methacrylate	Poor	Poor	Do Not Use	Do Not Use
Mineral Oil	Excellent	Poor	Fair	Excellent
Mineral Spirits	Excellent	Do Not Use	Fair	Good
Monoethanolamine	Excellent	Good	Excellent	Excellent
Morpholine	Do Not Use	Good	Do Not Use	Poor
Muriatic Acids	Good	Good	Good	Excellent
N				
Naphtha V.M.&P.	Excellent	Do Not Use	Poor	Good
Nitric Acid < 30%	Poor	Good	Good	Excellent
Nitric Acid 70%	Do Not Use	Fair	Fair	Good
Nitric Acid Red Fuming	Do Not Use	Poor	Poor	Do Not Use
Nitric Acid White Fuming	Do Not Use	Poor	Poor	Do Not Use
Nitrobenzene	Do Not Use	Poor	Do Not Use	Do Not Use
Nitromethane	Fair	Good	Poor	Excellent
Nitropropane	Do Not Use	Excellent	Do Not Use	Good
O				
Octyl Alcohol	Excellent	Good	Fair	Excellent
Oleic Acid	Excellent	Poor	Fair	Excellent
P				
Paint Remover	Good	Fair	Poor	Good
Palmitic Acid	Good	Good	Good	Excellent
Pentachlorophenol	Excellent	Poor	Fair	Excellent
Pentane	Excellent	Poor	Do Not Use	Excellent
Perchloric Acid 60%	Excellent	Excellent	Fair	Excellent
Potassium Hydroxide < 50%	Good	Excellent	Excellent	Excellent
Printer Ink	Excellent	Good	Fair	Good
Propyl Acetate	Fair	Poor	Do Not Use	Poor
Propyl Alcohol	Excellent	Excellent	Fair	Excellent
Perchloroethylene	Good	Do Not Use	Do Not Use	Do Not Use
Phenol	Do Not Use	Good	Good	Excellent
Phosphoric Acid	Excellent	Good	Good	Excellent
Picric Acid	Excellent	Good	Excellent	Excellent
Propylene Oxide	Do Not Use	Poor	Do Not Use	Do Not Use
R				
Rubber Solvent	Excellent	Do Not Use	Do Not Use	Good
S				
Sodium Hydroxide < 50%	Good	Excellent	Good	Excellent
Stoddard Solvent	Excellent	Poor	Do Not Use	Excellent
Styrene	Do Not Use	Do Not Use	Do Not Use	Do Not Use
Sulfuric Acid 95%	Good	Do Not Use	Do Not Use	Fair
T				
Tannic Acid	Excellent	Excellent	Excellent	Excellent
Tetrahydrofuran (THF)	Do Not Use	Do Not Use	Do Not Use	Do Not Use
Toluene	Good	Do Not Use	Do Not Use	Poor
Toluene Di-Isocyanate (TDI)	Do Not Use	Poor	Poor	Do Not Use
Trichloroethylene (TCE)	Good	Do Not Use	Do Not Use	Poor
Tricresyl Phosphate (TCP)	Excellent	Good	Fair	Fair
Triethanolamine 85% (TEA)	Excellent	Good	Excellent	Excellent
Tung Oil	Excellent	Do Not Use	Fair	Excellent
Turbine Oil	Good	Poor	Fair	Excellent
Turpentine	Excellent	Poor	Poor	Good
V				
Vegetable Oil	Excellent	Poor	Fair	Excellent
X				
Xylene	Good	Do Not Use	Do Not Use	Poor

Variations in material thickness, temperature, chemical concentration and the length of exposure to chemicals will affect the performance, making it ultimately up to the end-user if their gloves are safe for the application.

Have questions or want to learn more about our products?
Call (800) 922-7558 to speak with a Qorpak team member today!