

# Chemical Resistance Chart

This chemical chart is for reference use only We recommend on-site testing of all gloves and provide free samples to determine safe usage.

Chemical	Latex	Nitrile	Neoprene	PVC	Chemical	Latex	Nitrile	Neoprene	PVC
Acetaldehyde	F	P	E	NR	Ethyl Ether	NR	E	E	NR
Acetic Acid	G	G	E	F	Ethylene Trichloride	P	P	P	NR
Acetone	G	NR	G	NR	Formaldehyde	E	E	E	E
Acetonitrile	F	NR	F	NR	Formic Acid	E	F	E	E
Ammonium Hydroxide <30%*	G	E	E	E	Freon	NR	F	G	NR
Amyl Acetate	F	E	NR	P	Furfural	E	NR	G	NR
Amyl Alcohol	G	G	P	NR	Gasoline	NR	E	P	P
Aniline	P	NR	G	F	Glycerine	E	E	E	E
Animal Fats	P	E	E	G	Hexane	NR	E	E	NR
Battery Acids	G	E	E	E	Hydraulic Fluid Petro. Based	P	E	F	G
Benzaldehyde	F	NR	NR	NR	Hydraulic Fluid Ester Based	P	P	P	P
Benzene	NR	P	NR	NR	Hydrazine 65%	G	E	E	E
Benzol Chloride	P	NR	NR	NR	Hydrochloric Acid*	G	E	E	E
Butane	P	E	F	P	Hydrofluoric Acid	G	E	E	E
Butyl Acetate	P	F	NR	NR	Hydrogen Peroxide	E	E	E	E
Butyl Alcohol	E	P	E	G	Hydroquinone	G	E	E	E
Butyl Cellusolve*	E	E	E	NR	Isobutyl Alcohol	E	E	E	F
Carbolic Acid	P	P	E	G	Iso-Octane	NR	E	E	P
Carbon Disulfide	NR	NR	NR	NR	Isopropyl Alcohol*	E	E	E	G
Carbon Tetrachloride	NR	G	P	NR	Kerosene	P	E	E	F
Castor Oil	E	E	E	E	Lactic Acid	E	E	E	E
Cellosolve Acetate	G	G	F	NR	Lauric Acid	G	E	E	F
Cellosolve Solvent	E	G	E	NR	Linoleic Acid	P	E	E	G
Chlorobenzene	NR	NR	NR	NR	Linseed Oil	P	E	E	E
Chloroform	NR	F	F	NR	Maleic Acid	P	E	E	G
Chloronaphalens	NR	F	NR	NR	Methyl Acetate	P	P	G	NR
Chlorothene VG	NR	F	NR	P	Methyl Alcohol	E	E	E	G
Chromic Acid	NR	F	F	G	Methylamine	E	E	G	E
Citric Acid	E	E	E	E	Methylene Bromide	NR	NR	NR	NR
Cottonseed Oil	P	E	E	G	Methylene Chloride	NR	NR	NR	NR
Creasol	P	G	G	F	Methyl Cellosolve	P	F	E	-
Cutting Oil	F	E	E	P	Methyl Ethyl Ketone (MEK)	G	NR	G	NR
Cyclohexane	P	E	F	P	Methylisobutyl Ketone	F	P	NR	NR
Cyclohexanol	P	E	E	G	Methyl Methacrylate	P	P	NR	NR
Dibutyl Phthalate	P	G	F	G	Mineral Oil	P	E	E	F
Diethylamine	NR	F	P	NR	Mineral Spirits	NR	E	G	F
Di-Isobutyl Ketone	P	E	P	P	Monoethanolamine	G	E	E	E
Dimethyl Formamide (DMF)	E	NR	G	NR	Morpholine	G	NR	P	NR
Dimethyl Sulfoxide (DMSO)	E	E	E	NR	Muriatic Acids	G	G	E	G
Diocetyl Phthalate (DOP)	P	G	G	NR	Naptha V.M & P.	NR	E	G	P
Dioxane	F	NR	NR	NR	Nitric Acid <30%	G	P	E	G
Ethyl Acetate	P	NR	F	NR	Nitric Acid 70%	F	NR	G	F
Ethyl Alcohol	E	E	E	G	Nitric Acid Red Fuming	P	NR	NR	P
Ethylene Dichloride	P	NR	NR	NR	Nitric Acid White Fuming	P	NR	NR	P
Ethylene Glycol	E	E	E	E	Nitrobenzene	P	NR	NR	NR

## KEY

E = Excellent
  G - Good
  F = Fair
  P = Poor
  NR = Not Recommended

# Chemical Resistance Chart

Chemical	Latex	Nitrile	Neoprene	PVC
Nitromethane	G	F	E	P
Nitropropane	E	NR	G	NR
Octyl Alcohol	G	E	E	F
Oleic Acid	P	E	E	F
Paint Remover	F	G	G	P
Palmitic Acid	G	G	E	G
Pentachlorophenol	P	E	E	F
Pentane	P	E	E	NR
Perchloric Acid 60%	P	E	E	E
Potassium Hydroxide <50%*	E	G	E	E
Printing Ink	G	E	G	F
Propyl Acetate	P	F	P	NR
Propyl Alcohol	E	E	E	F
Perchloroethylene	NR	G	NR	NR
Phenol	G	NR	E	G
Phosphoric Acid*	G	E	E	G
Picric Acid	G	E	E	E
Propylene Oxide	P	NR	NR	NR
Rubber Solvent	NR	E	G	NR
Sodium Hydroxide <50%	E	G	E	G
Stoddard Solvent	P	E	E	NR
Styrene*	NR	NR	NR	NR
Sulfuric Acid 95%	NR	NR	F	G
Tannic Acid	E	E	E	E
Tetrahydrofuran (THF)	NR	NR	NR	NR
Toluene	NR	G	P	NR
Toluene Di-Isocyanate (TDI)	P	NR	NR	P
Trichlorethylene (TCE)	NR	G	P	NR
Tricrestyl Phosphate (TCP)	G	E	F	F
Triethanolamine 85% (TEA)	G	E	E	E
Tung Oil	NR	E	E	F
Turbine Oil	P	G	E	F
Turpentine	P	E	G	P
Vegetable Oil	P	E	E	F
Xylene	NR	G	P	NR

\* basic chemicals used for cleaning.

**Latex = Made from natural rubber from rubber trees**

**Vinyl = Form of plastic (latex free)**

**Nitrile = Form of plastic, more puncture and chemical resistant**

## KEY

<span style="background-color: #4CAF50; width: 15px; height: 10px; display: inline-block;"></span> E = Excellent	<span style="background-color: #FFC107; width: 15px; height: 10px; display: inline-block;"></span> P = Poor
<span style="background-color: #8BC34A; width: 15px; height: 10px; display: inline-block;"></span> G - Good	<span style="background-color: #9C27B0; width: 15px; height: 10px; display: inline-block;"></span> NR = Not Recommended
<span style="background-color: #2196F3; width: 15px; height: 10px; display: inline-block;"></span> F = Fair	

Note: This chemical resistance chart is presented as a guide only. This does not consider the permeability of gloves, chemical combinations, temperature, length of time that the glove is in contact with the chemical and thickness of the glove. These factors will alter or effect the performance of the glove. Actual on the job testing of gloves is recommended.

**Always read Safety Data Sheets before using any chemicals.**

## Physical performance chart for unsupported gloves

	Latex	Nitrile	Neoprene
Abrasion resistance	E	G	G
Elongation - flexibility	G	E	E
Heat resistance	E	F	E
Tear resistance	G	G	G
Tensile strength	E	E	E
Puncture resistance	F	E	P

## KEY

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<span style="background-color: #8BC34A; width: 15px; height: 10px; display: inline-block;"></span> G - Good
<span style="background-color: #2196F3; width: 15px; height: 10px; display: inline-block;"></span> F = Fair
<span style="background-color: #FFC107; width: 15px; height: 10px; display: inline-block;"></span> P = Poor