

# Glove Chemical Resistance & Barrier Guide

Chemical Name	Hazard Rating	Nitrile	Latex	PVC
Acetaldehyde	3	P	G	P
Acetic Acid (Glacial)	3	F	G	F
Acetic Anhydride	3	F	G	P
Acetone	1	F	G	P
Acetonitrile	2	F	F	P
Acrylic Acid	3	G	G	P
Ammonium Acetate		E	E	G
Ammonium Carbonate		E	E	E
Ammonium Fluoride, 30-70%	3	E	E	G
Ammonium Hydroxide, 30-70%		E	E	E
Ammonium Hydroxide, <30%		E	E	E
Amyl Alcohol	1	E	G	G
Aniline	3	F	G	G
Aqua Regia		P	P	F
AZI			G	
Benzaldehyde	2	P	F	P
Benzene	2	F	P	P
Boric Acid		E	G	E
Bromopropionic Acid		F	G	G
Butyl Acrylate	2	P	P	P
Butyl Cellusolve		G	G	P
Calcium Hydroxide		E	E	
Carbon Disulfide	3	G	P	P
Carbon Tetrachloride	3	P	P	F
Chlorobenzene	2	P	P	P
Chlorodibromomethane		P	P	F
Chloroform	2	P	P	P
Chloronaphthalenes	1	P	P	P
Chromic Acid	3	F	P	G
Cisplatin		G	G	P
Citric Acid, 30-70%		E	E	E
Cyclohexane	1	E	P	P
Cyclohexanol	1	E	G	E
Cyclohexanone	1	P	P	P
Cyclohexylamine	3	P	P	P
Di-N-Amylamine	3	E	P	P
Di-N-Butylamine	3	E	P	P
Di-N-Butylphthalate	0	E	F	P
Di-N-Octylphthalate	0	E	F	P
Diacetone Alcohol	1	G	F	P
Diallylamine		P	P	P
Dichoroacetyl Chloride	3	P	P	P
Diesel Fuel	0	E	P	
Diethanolamine	1	E	E	E
Diethylamine	3	G	F	P
Diethylene Glycol	1	E	E	
Diethylenetriamine	3	P	P	P
Diisobutyl Ketone	1	G	P	P
Diisobutylamine	3	E	P	P
Dimethyl Ether		G	P	P

Chemical Name	Hazard Rating	Nitrile	Latex	PVC
Dimethyl Sulfoxide (DMSO)	1	G	E	G
Dimethylacetamide	2	F	G	P
Dimethylformamide (DMF)	1	P	P	P
Dioxane	2	P	P	P
Epichlorohydrin	3	P	F	P
Ethanol	0	G	G	G
Ethyl Acetate	1	P	F	P
Ethyl Ether	1	G	P	P
Ethylene Glycol Dimethyl	2	F	F	P
Ethylene Dichloride	2	P	P	P
Ethylene Glycol	1	E	E	G
Formaldehyde, 30-70%	3	E	G	E
Formic Acid	3	G	E	E
Freon 113 OR TF		E	P	F
Freon TMC		F	F	P
Furfural	3	P	P	P
Gasoline, 40-50% Aromatics	1	E	P	P
Gasoline, unleaded	1	G	P	P
Glutaraldehyde, <5%		G	G	F
Glycerol		E	E	
Heptanes	1	E	P	P
Hexane	1	E	P	P
Hydrazine	3	E	F	E
Hydrochloric Acid, <30%	3	G	E	E
Hydrofluoric Acid, <10%	4	G	G	F
I Sobytyl Alcohol	1	E	P	F
I Sooctane	0	E	P	P
I Sopropyl Alcohol	1	E	E	G
I Sopropylamine	3	P	P	P
Jet Fuel, <30% Aromatics 73-248C	1	G	P	P
Kerosene		E	P	F
Lactic Acid		E	E	E
Lauric Acid		E	E	F
Malathion, 30-70%		G		
Maleic Acid		G	G	E
Methanol	1	F	F	F
Methyl Acetate	1	P	P	P
Methyl Ethyl Ketone	1	P	P	P
Methyl Isobutyl Ketone	2	P	P	P
Methyl Methacrylate	2	P	P	P
Methylene Chloride	2	P	P	P
Amyl Acetate	1	F	P	P
Butyl Acetate	1	F	P	P
Butyl Alcohol	1	E	E	F
N-Methyl-2 Pyrrolidone (NMP)	2	P	E	P
N-Nitrosodiethylamine		P		
Propyl Alcohol	1	E	E	F
Naphtha, <3% Aromatics	1	E	P	F
Nitric Acid, <30%	3	G	G	G
Nitric Acid, 30-70%	3	P	P	F

**TOLL FREE** 1.800.434.2633 x39  
**LOCAL** 905.625.6021 x39  
**WEBSITE** www.diamed.ca  
**FAX** 1.800.293.2987  
**FAX** 905.625.6280  
**EMAIL** diamed@diamed.ca



# Glove Chemical Resistance & Barrier Guide

Chemical Name	Hazard Rating	Nitrile	Latex	PVC
Nitrobenzene	3	F	F	P
Nitroethane	1	P	G	P
1-Nitropropane	1	P	F	P
2-Nitropropane	1	P	P	P
Octane	0	G	P	P
Octyl Alcohol	1	E	E	F
Oleic Acid	0	E	G	G
Oxalic Acid	3	E	E	E
Palmitic Acid		G	F	G
PCB (Polychlorinated Biphenyls)	2	G	P	
Pentachlorophenol	3	G	F	P
Pentane	1	E	P	P
Perchloric Acid, 30-70%	3	F	F	F
Perchloroethylene	2	G	P	P
Peroxyacetic Acid		P	P	P
Petroleum Ethers, 80-110C	1	G	P	P
Phenol	4	F	F	F
Phosphoric Acid	3	G	F	G
Picric Acid	3	E	G	E
Potassium Hydroxide	3	E	G	E
Potassium Iodide		G	G	G
Propyl Acetate	1	F	P	P
Pyridine	3	P	P	P
Sodium Carbonate		E	E	E
Sodium Chloride		E	E	E
Sodium Fluoride	3	G	G	G
Sodium Hydroxide, 30-70%	3	G	E	E
Sodium Hypochlorite		E	E	F
Sodium Thiosulfate		G	G	G
Styrene	2	P	P	P
Sulfuric Acid, <70%	3	F	G	G
Sulfuric Acid, >70%	3	P	P	P
Tannic Acid	0	G	G	G
1,1,1,2-Tetrachloroethane		F	P	P
Tetrahydrofuran	2	F	P	P
Toluene	2	F	P	P
Toluene-2,4-Diisocyanate (TDI)	3	P	P	P
1,2,4 - Trichlorobenzene	2	F	P	P
1,1,1-Trichloroethane	2	P	P	P
1,1,2,-Trichloroethane	2	P	P	P
Trichloroethylene	2	P	P	P
Tricresyl Phosphate	2	G	G	F
Triethanolamine	2	E	E	E
Turpentine	1	E	P	F
Xylenes	2	F	P	P

Please note:

Variability in material thickness, chemical concentration, temperature, and length of exposure to chemicals will affect specific performance. Diamed recommends that you use caution at all times.

**TOLL FREE** 1.800.434.2633 x39 **FAX** 1.800.293.2987  
**LOCAL** 905.625.6021 x39 **FAX** 905.625.6280  
**WEBSITE** www.diamed.ca **EMAIL** diamed@diamed.ca

## The National Fire Protection Association (NFPA), Chemical Health Hazard Rating System

- 4** - Danger, may be fatal on short exposure. Specialized Protective Equipment Required
- 3** - Warning, corrosive or toxic
- 2** - Warning, may be harmful if inhaled or absorbed
- 1** - Caution, may be irritating
- 0** - No Unusual hazard  
 - No Information Available, Avoid skin contact or inhalation

## Chemical Resistance

- P** - Poor Chemical Resistance
- F** - Fair Chemical Resistance
- G** - Good Chemical Resistance
- E** - Excellent Chemical Resistance

Diamed's thin gauge and disposable Nitrile, Latex, and Polyvinyl Chloride (PVC) gloves are designed to provide barrier protection and tactile sensitivity for users. Please note that our gloves are not designed for prolonged, direct exposure to chemicals. This chart was designed to provide a guideline for the chemical compatibility of our Nitrile, Latex, and PVC gloves to the commonly used chemicals listed.

**DiaSILK**

**DiaSOFT**

**DiaSTRETCH**

**Diamed.ca**