

Chemical Resistance Guide For Gloves



Recommended
Not Recommended
Limit Use
Not Rated

The chart below provides general guidelines for compatibility of glove material types with certain chemicals. BMC Protect makes no specific claims on testing and breakthrough permeation times. Glove thickness and environmental conditions will affect breakthrough times. Onsite testing is recommended to determine accurate breakthrough times based on specific conditions of use.

Chemical	Latex	Nitrile	Vinyl
Acetaldehyde, 99.5%	Green	Red	Red
Acetic Acid	Green	Green	Red
Acetone, 99.5%	Green	Red	Red
Acetonitrile, 99%	Green	Red	Red
Acrylic Acid, 99%	Green	Red	Grey
Ammonium Fluoride, 40%	Green	Green	Green
Ammonium Hydroxide, 85%	Green	Green	Green
Amyl Acetate, 100%	Red	Red	Yellow
Amyl Alcohol, 99%	Green	Green	Yellow
Aniline, 99%	Yellow	Red	Yellow
Animal Fats	Red	Green	Green
Aqua Regia	Red	Green	Green
Battery Acid	Green	Green	Green
Benzaldehyde, 99.5%	Yellow	Red	Red
Benzene	Red	Red	Yellow
Benzoic Acid	Red	Red	Grey
Benzyl Chloride	Yellow	Green	Red
Boric Acid	Green	Green	Grey
Bromine	Green	Grey	Green
Bromopropionic Acid, Sat.	Green	Green	Grey
Butane	Red	Green	Red
Butyl Acetate, 99%	Yellow	Red	Green
Butyl Alcohol, 99%	Green	Green	Red
Butyl Cellosolve, 99%	Green	Yellow	Red
Butyrolactone, 99%	Green	Red	Grey
Calcium Hypochlorite	Red	Green	Green
Carbolic Acid	Red	Red	Red
Carbon Dichloride	Grey	Green	Grey
Carbon Disulfide, 99.9%	Yellow	Red	Red
Carbon Tetrachloride, 99%	Red	Green	Yellow
Castor Oil	Red	Green	Green
Cellosolve Acetate, 99%	Green	Green	Red
Cellosolve Solvent	Green	Green	Red
Chlorine	Green	Green	Green
Chloroacetone	Yellow	Grey	Red
Chloroform	Red	Red	Red
Chloronaphalenes	Grey	Yellow	Grey
Chlorothene VG	Grey	Yellow	Red

Chemical	Latex	Nitrile	Vinyl
Chromic Acid, 50%	Red	Yellow	Green
Citric Acid, 10%	Green	Green	Green
Cottonseed Oil	Red	Green	Green
Creosol	Red	Green	Yellow
Cunene	Grey	Green	Grey
Cutting Oil	Yellow	Green	Red
Cyclohexane	Green	Yellow	Red
Cyclohexanol, 98%	Yellow	Green	Green
Di-Isobutyl Ketone, 80%	Yellow	Green	Red
Diacetone Alcohol, 99%	Yellow	Green	Yellow
Diamine	Grey	Green	Grey
Dibutyl Phthalate, 99%	Red	Green	Red
Diethyl Ether	Yellow	Green	Red
Diethylamine, 99%	Red	Red	Red
Dimethyl Acetamide, 99%	Yellow	Red	Grey
Dimethyl Sulfoxide, 99%	Green	Green	Red
Diocetyl Phthalate, 99%	Red	Green	Grey
1,4-Dioxane, 99.9%	Yellow	Red	Yellow
Epichlorohydrin, 99%	Yellow	Red	Grey
Ethanol	Grey	Green	Grey
2-Ethoxyethanol	Grey	Green	Grey
Ethyl Acetate, 99%	Grey	Red	Red
Ethyl Alcohol, 90%	Green	Green	Green
Ethyl Ether, 99%	Green	Green	Red
Ethyl Glycol Ether, 99%	Yellow	Yellow	Grey
Ethylene Glycol, 99%	Green	Green	Green
Ethylene Trichloride	Red	Red	Grey
Fluorine	Green	Grey	Green
Formaldehyde, 99%	Green	Green	Green
Formalin Solution	Grey	Green	Grey
Formic Acid, 95%	Green	Green	Green
Freon TF, 99%	Red	Yellow	Grey
Furfural, 99%	Green	Red	Red
Gasoline, 100%	Red	Green	Yellow
Glycerine	Green	Green	Green
Glycerol	Green	Green	Green
Heptane	Grey	Green	Grey
Hexamethyldisilazine, 97%	Green	Green	Grey

Chemical	Latex	Nitrile	Vinyl
Hexane, 99%	Red	Green	Red
Hydraulic Fluid- Ester Based	Red	Red	Red
Hydraulic Fluid-Petrol Based	Red	Green	Green
Hydrazine, 65%	Green	Green	Green
Hydrochloric Acid, 38%	Green	Green	Yellow
Hydrofluoric Acid, 48%	Green	Green	Yellow
Hydrogen Peroxide, 30%	Green	Green	Green
Hydroquinone	Green	Yellow	Green
Iodine	Green	Green	Green
Iso-Octane, 99%	Yellow	Green	Red
Isobutyl Alcohol, 99%	Green	Green	Green
Isopropanol	Grey	Green	Grey
Isopropyl Alcohol, 99%	Green	Yellow	Green
Isopropyl Benzene	Grey	Green	Grey
Kerosene, 100%	Yellow	Green	Yellow
Lactic Acid, 85%	Green	Green	Green
Lauric Acid, 36%	Red	Red	Yellow
Linoleic Acid	Red	Green	Green
Linseed Oil	Red	Green	Green
Maleic Acid, 100%	Yellow	Yellow	Grey
Methanol	Grey	Green	Green
Methyl Acetate	Red	Red	Grey
Methyl Alcohol, 99.9%	Green	Green	Green
Methyl Cellosolve, 99%	Grey	Grey	Red
Methyl Chloride	Red	Red	Red
Methyl Ethyl Ketone, 99%	Green	Red	Red
Methyl Isobutyl Ketone	Yellow	Red	Red
Methyl Methacrylate	Green	Red	Red
Methyl-Butyl Ether, 99.8%	Grey	Green	Grey
Methyl-T-Butyl Ether	Grey	Green	Green
Methylamine	Green	Green	Green
Methylamine, 40%	Green	Green	Green
Mineral Oil	Red	Green	Yellow
Mineral Spirits, 100%	Red	Green	Red
Monoethanolamine, 99%	Green	Green	Green
Morpholine, 99%	Green	Green	Red
Muriatic Acid, 100%	Green	Green	Green
N,N-Dimethyl Formamide, 99%	Yellow	Red	Red
N-Methyl-2 Pyrrolidone, 99%	Yellow	Red	Grey
Naphtha VM&P, 100%	Red	Green	Red
Naphthalene	Yellow	Green	Yellow

Chemical	Latex	Nitrile	Vinyl
Nitric Acid, 10%	Green	Green	Green
Nitric Acid, 70%	Red	Red	Red
Nitrobenzene, 99%	Yellow	Red	Red
Nitromethane, 95.5%	Red	Yellow	Red
Nitropropane, 95.5%	Green	Red	Grey
Octyl Alcohol, 99%	Green	Green	Green
Oleic Acid, 99%	Yellow	Green	Green
Oxalic Acid, 12.5%	Green	Green	Green
Paint Remover	Yellow	Green	Red
Palmitic Acid, Sat.	Green	Green	Green
Pentachlorophenol, 35%	Red	Green	Grey
Pentane, 98%	Red	Green	Green
Perchloric Acid, 60%	Yellow	Red	Yellow
Perchloroethylene	Red	Green	Red
Perholfeum Ether	Grey	Green	Grey
Phenol, 90%	Yellow	Yellow	Yellow
Phosphoric Acid, 85%	Green	Green	Green
Picric Acid	Green	Green	Green
Potassium Hydroxide, 50%	Green	Green	Green
Printing Ink	Green	Green	Yellow
Propyl Acetate, 99%	Yellow	Red	Red
Propyl Alcohol, 96%	Green	Green	Yellow
Propylene Oxide	Red	Grey	Grey
Pyridine, 99%	Yellow	Red	Grey
Rubber Solvent, 100%	Red	Green	Red
Rule Solvent	Grey	Green	Grey
Sodium Hydroxide, 50%	Green	Green	Green
Sodium Hypochlorite	Green	Green	Green
Stoddard Solvent, 99%	Red	Green	Green
Sulfuric Acid, 95%	Red	Red	Red
Tannic Acid, 37.5%	Green	Green	Green
Tetrachloroethylene, 100%	Red	Red	Green
Toluene Di-Isocyanate	Red	Grey	Red
Toluene, 99%	Red	Yellow	Red
Trichloroethylene	Yellow	Green	Red
Tricresyl Phosphate, 90%	Red	Green	Yellow
Triethanolamine, 85%	Green	Green	Green
Tung Oil	Red	Green	Yellow
Turbine Oil	Red	Green	Yellow
Turpentine, 100%	Yellow	Green	Yellow
Vegetable Oil	Red	Green	Yellow
Xylene	Red	Yellow	Red



For more information visit:
www.bmcprotect.com
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