CHEMICAL RESISTANCE CHART

recommended | not recommended | not rated | limited use

Environmental conditions, exposure times, chemical concentrations, and residues may affect glove performance. It is strongly advised that onsite testing of all gloves be conducted to help determine safe usage parameters. **Glove chemical resistance is based on 5-mil gloves. Glove material thickness will affect chemical resistance duration.**

Chemical Resistance	Latex	Nitrile	Vinyl
Acetaldehyde, 99.5%	🟢	🔴	🔴
Acetic Acid	🟢	🟢	🟠
Acetone, 99.5%	🟢	🔴	🔴
Acetonitrile, 99%	🟢	🔴	🔴
Acrylic Acid, 99%	🟢	🔴	⚫
Ammonium Fluoride, 40%	🟢	🟢	🟢
Ammonium Hydroxide, 85%	🟢	🟢	🟢
Amyl Acetate, 100%	🔴	🔴	🟠
Amyl Alcohol, 99%	🟢	🟢	🟠
Aniline, 99%	🟠	🔴	🟠
Animal Fats	🔴	🟢	🟢
Aqua Regia	🔴	🟢	🟢
Battery Acid	🟢	🟢	🟢
Benzaldehyde, 99.5%	🟠	🔴	🔴
Benzene	🔴	🔴	🟠
Benzyl Chloride	🟠	🟢	🔴
Bromine	🟢	⚫	🟢
Bromopropionic Acid, Sat.	🟢	🟢	⚫
Butane	🔴	🟢	🔴
2-Butoxyethanol	⚫	🟠	⚫
Butyl Acetate, 99%	🟠	🔴	🟢
Butyl Alcohol, 99%	🟢	🟢	🔴
Butyl Cellosolve, 99%	🟢	🟠	🔴
Butyrolactone, 99%	🟢	🔴	⚫
Calcium Hypochlorite	🔴	🟢	🟢
Carbolic Acid	🔴	🔴	🔴
Carbon Dichloride	⚫	🟢	⚫
Carbon Disulfide, 99.9%	🟠	🔴	🔴
Carbon Tetrachloride, 99%	🔴	🟢	🟠
Castor Oil	🔴	🟢	🟢
Cellosolve Acetate, 99%	🟢	🟢	🔴
Cellosolve Solvent	🟢	🟢	🔴
Chlorine	🟢	🟢	🟢
Chloroacetone	🟠	⚫	🔴
Chloroform	🔴	🔴	🔴
Chloronaphthalene	⚫	🟠	⚫
Chlorothene VG	⚫	🟠	🔴
Chromic Acid, 50%	🔴	🟠	🟢
Citric Acid, 10%	🟢	🟢	🟢
Cottonseed Oil	🔴	🟢	🟢
Creosol	🔴	🟢	🟠
Cumene	⚫	🟢	⚫
Cutting Oil	🟠	🟢	🔴
Cyclohexane	🟢	🟢	🔴
Cyclohexanol, 98%	🟠	🟢	🟢
Diacetone Alcohol, 99%	🟠	🟢	🟠
Dibutyl Phthalate, 99%	🔴	🟢	🔴
Diamine	⚫	🟢	⚫
Diethylamine, 99%	🔴	🔴	🔴
Diethyl Ether	🟠	🟢	🔴
Di-Isobutyl Ketone, 80%	🟠	🟢	🔴
Dimethyl Acetamide, 99%	🟠	🔴	⚫
N,N-Dimethyl Formamide, 99%	🟢	🔴	🔴
Dimethyl Sulfoxide, 99%	🟢	🟢	🔴
Dioctyl Phthalate, 99%	🔴	🟢	⚫
1,4-Dioxane, 99.9%	🟠	🔴	🟠
Epichlorohydrin, 99%	🟠	🔴	⚫
Ethanol	⚫	🟢	⚫
2-Ethoxyethanol	⚫	🟢	⚫
Ethyl Acetate, 99%	⚫	🔴	🔴
Ethyl Alcohol, 90%	🟢	🟢	🟢
Ethyl Ether, 99%	🟢	🟢	🔴
Ethylene Dichloride	🔴	🔴	🔴
Ethylene Glycol, 99%	🟢	🟢	🟢
Ethyl Glycol Ether, 99%	🟠	🟠	⚫
Ethylene Trichloride	🔴	🔴	⚫
Fluorine	🟢	⚫	🟢
Formaldehyde, 99%	🟢	🟢	🟢
Formalin Solution	⚫	🟢	⚫
Formic Acid, 95%	🟢	🟢	🟢
Freon TF, 99%	🔴	🟠	⚫
Furfural, 99%	🟢	🔴	🔴
Gasoline, 100%	🔴	🟢	🟠
Glycerine	🟢	🟢	🟢
Glycerol	🟢	🟢	🟢
Heptane	⚫	🟠	⚫
Hexamethyldisilazine, 97%	🟢	🟢	⚫
Hexane, 99%	🔴	🟢	🔴
Hydraulic Fluid-Petrol Based	🔴	🟢	🟢
Hydraulic Fluid- Ester Based	🔴	🔴	🔴
Hydrazine, 65%	🟢	🟢	🟢

Chemical Resistance	Latex	Nitrile	Vinyl
Hydrochloric Acid, 38%	🟢	🟢	🟠
Hydrofluoric Acid, 48%	🟢	🟢	🟠
Hydrogen Peroxide, 30%	🟢	🟢	🟢
Hydroquinone	🟢	🟠	🟢
Iodine	🟢	🟢	🟢
Isobutyl Alcohol, 99%	🟢	🟢	🟢
Iso-Octane, 99%	🟠	🟢	🔴
Isopropanol	⚫	🟠	⚫
Isopropyl Alcohol, 99%	🟢	🟠	🟢
Isopropyl Benzene	⚫	🟢	⚫
Kerosene, 100%	🟠	🟢	🟠
Lactic Acid, 85%	🟢	🟢	🟢
Lauric Acid, 36%	🟠	🟢	🟠
Linoleic Acid	🔴	🟢	🟢
Linseed Oil	🔴	🟢	🟢
Maleic Acid, 100%	🟢	🟢	🟢
Methanol	⚫	🟢	⚫
Methyl Acetate	🔴	🔴	⚫
Methyl Alcohol, 99.9%	🟢	🟢	🟢
Methylamine, 40%	🟢	🟢	🟢
Methyl-Butyl Ether, 99.8%	🔴	🟢	⚫
Methyl Cellosolve, 99%	⚫	⚫	🔴
Methylamine	🟢	🟢	🟢
Methyl Chloride	🔴	🔴	🔴
Methylene Chloride	⚫	🔴	⚫
Methyl Ethyl Ketone, 99%	🟢	🔴	🔴
Methyl Isobutyl Ketone	🟠	🔴	🔴
Methyl Methacrylate	🟢	🔴	🔴
Methyl-T-Butyl Ether	⚫	🟢	⚫
Mineral Oil	🔴	🟢	🟠
Mineral Spirits, 100%	🔴	🟢	🔴
Monoethanolamine, 99%	🟢	🟢	🟢
Morpholine, 99%	🟢	🟢	🔴
Muriatic Acid, 100%	🟢	🟢	🟢
Naphtha VM&P, 100%	🔴	🟢	🔴
N-Methyl-2 Pyrrolidone, 99%	🟠	🔴	⚫
Naphthalene	🟠	🟢	🟠
Nitric Acid, 10%	🟢	🟢	🟢
Nitric Acid, 70%	🔴	🔴	🟠
Nitrobenzene, 99%	🟠	🔴	🔴
Nitromethane, 95.5%	🔴	🟠	🔴
Nitropropane, 95.5%	🟢	🔴	⚫
Octyl Alcohol, 99%	🟢	🟢	🟢
Oleic Acid, 99%	🟠	🟢	🟢
Oxalic Acid, 12.5%	🟢	🟢	🟢
Paint Remover	🟠	🟢	🔴
Palmitic Acid, Sat.	🟢	🟢	🟢
Pentachlorophenol, 35%	🔴	🟢	⚫
Pentane, 98%	🔴	🟢	🟢
Perchloric Acid, 60%	🟠	🟢	🟠
Perchloroethylene	🔴	🟢	🔴
Petroleum Ether	⚫	🟠	⚫
Phenol, 90%	🟠	🟠	🟠
Phosphoric Acid, 85%	🟢	🟢	🟢
Picric Acid	🟢	🟢	🟢
Potassium Hydroxide, 50%	🟢	🟢	🟢
Printing Ink	🟢	🟢	🟠
Propyl Acetate, 99%	🟠	🔴	🔴
Propyl Alcohol, 96%	🟢	🟢	🟠
Propylene Oxide	🔴	⚫	⚫
Pyridine, 99%	🟠	🔴	⚫
Rubber Solvent, 100%	🔴	🟢	🔴
Rule Solvent	⚫	🟢	⚫
Sodium Hydroxide, 50%	🟢	🟢	🟢
Sodium Hypochlorite	🟢	🟢	🟢
Stoddard Solvent, 99%	🔴	🟢	🟢
Sulfuric Acid, 95%	🟢	🟢	🔴
Tannic Acid, 37.5%	🟢	🟢	🟢
1,1,2,2-Tetrachloroethane, 99%	🔴	🔴	⚫
Tetrachloroethylene, 100%	🔴	🔴	🟢
Toluene, 99%	🔴	🟠	🔴
Toluene Di-Isocyanate	🔴	⚫	🔴
1,1,1-Trichloroethane, 99%	🔴	🔴	⚫
Trichloroethylene	🟠	🟢	🔴
Tricresyl Phosphate, 90%	🔴	🟢	🟠
Triethanolamine, 85%	🟢	🟢	🟢
Tung Oil	🔴	🟢	🟠
Turbine Oil	🔴	🟢	🟠
Turpentine, 100%	🟠	🟢	🟠
Vegetable Oil	🔴	🟢	🟠
Xylene	🔴	🟠	🔴

THIS CHEMICAL RESISTANCE CHART IS FOR ADVISORY USE ONLY