



Chemical Compatibility Guide for: Kimberly-Clark® Safeskin® Nitrile Gloves

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Chemical Name	Nitrile	Recommended Alternate Material
ACETALDEHYDE	P	
ACETIC ACID (GLACIAL)	F	
ACETIC ANHYDRIDE	F	
ACETONE	F	
ACETONITRILE	F	Butyl (E)
ACRYLIC ACID	G	
AMMONIUM ACETATE	E	
AMMONIUM CARBONATE	E	
AMMONIUM FLUORIDE, 30-70%	E	
AMMONIUM HYDROXIDE, 30-70%	E	
AMMONIUM HYDROXIDE, <30%	E	
AMYL ALCOHOL	E	
ANILINE	F	
AQUA REGIA	P	Neoprene (F)
AZT		
BENZALDEHYDE	P	Butyl (E)
BENZENE	F	Viton (G)
BORIC ACID	E	
BROMOPROPIONIC ACID	F	
BUTYL ACRYLATE	P	Teflon (G)
BUTYL CELLUSOLVE	G	
CALCIUM HYDROXIDE	E	
CARBON DISULFIDE	G	
CARBON TETRACHLORIDE	P	Viton (G)
CHLOROBENZENE	P	Viton (G)
CHLORODIBROMOMETHANE	P	Viton (G)
CHLOROFORM	P	Polyvinyl Alcohol (G)
CHLORONAPHTHALENES	P	Viton (G)
CHROMIC ACID	F	(G)
CISPLATIN	G	
CITRIC ACID, 30-70%	E	
CYCLOHEXANE	E	
CYCLOHEXANOL	E	
CYCLOHEXANONE	P	Butyl (G)
CYCLOHEXYLAMINE	P	
DI-N-AMYLAMINE	E	
DI-N-BUTYLAMINE	E	
DI-N-BUTYLPHTHALATE	E	
DI-N-OCTYLPHTHALATE	E	
DIACETONE ALCOHOL	G	
DIALLYLAMINE	P	Viton (G)
DICHLOROACETYL CHLORIDE	P	Viton (G)
DIESEL FUEL	E	
DIETHANOLAMINE	E	
DIETHYLAMINE	G	
DIETHYLENE GLYCOL	E	
DIETHYLENETRIAMINE	P	Neoprene (G)
DIISOBUTYL KETONE	G	

P Poor Chem Resistance

F Fair Chem Resistance

G - E Good to Excellent Chem Resistance

DIISOBUTYLAMINE	E	
DIMETHYL ETHER	G	
DIMETHYL SULFOXIDE (DMSO)	G	
DIMETHYLACETAMIDE	F	
DIMETHYLFORMAMIDE (DMF)	P	Butyl (G)
1, 3-DIOXANE	P	Butyl (G)
1, 4-DIOXANE	P	Butyl (G)
EPICHLOROHYDRIN	P	Butyl (G)
ETHANOL	G	
ETHYL ACETATE	P	Butyl (G)
ETHYL ETHER	G	
ETHYLENE GLYCOL DIMETHYL ETHER	F	Butyl (G)
ETHYLENE DICHLORIDE	P	Polyvinyl Alcohol (E)
ETHYLENE GLYCOL	E	
FORMALDEHYDE, 30-70%	E	
FORMIC ACID	G	
FREON 113 OR TF	E	
FREON TMC	F	Polyvinyl Alcohol (E)
FURFURAL	P	Butyl (G)
GASOLINE, 40-50% AROMATICS	E	
GASOLINE, UNLEADED	G	
GLUTARALDEHYDE, <5%	G	
GLYCEROL	E	
HEPTANES	E	
HEXANE	E	
HYDRAZINE	E	
HYDROCHLORIC ACID, <30%	G	
HYDROCHLORIC ACID, 30-70%	G	
HYDROFLUORIC ACID, <10%	G	
ISOBUTYL ALCOHOL	E	
ISOOCTANE	E	
ISOPROPYL ALCOHOL	E	
ISOPROPYLAMINE	P	Teflon (G)
JET FUEL <30% AROMATICS 73-248C	G	
KEROSENE	E	
LACTIC ACID	E	
LAURIC ACID	E	
MALATHION, 30-70%	G	
MALEIC ACID	G	
METHANOL	F	Neoprene (G)
METHYL ACETATE	P	Butyl (G)
METHYL ETHYL KETONE	P	Butyl (E)
METHYL ISOBUTYL KETONE	P	Butyl (G)
METHYL METHACRYLATE	P	Polyvinyl Alcohol (E)
METHYLENE CHLORIDE	P	Polyvinyl Alcohol (G)
AMYL ACETATE	F	Butyl (G)
BUTYL ACETATE	F	Butyl (G)
BUTYL ALCOHOL	E	
N-METHYL-2-PYRROLIDONE	P	

P Poor
Chem Resistance

F Fair
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G - E Good to Excellent
Chem Resistance

N-NITROSODIETHYLAMINE	P	Butyl (G)
PROPYL ALCOHOL	E	
NAPHTHA, 15-20% AROMATICS	E	
NAPHTHA , <3% AROMATICS	E	
NITRIC ACID, <30%	G	
NITRIC ACID, 30-70%	P	Neoprene (G)
NITROBENZENE	F	Butyl (G)
NITROETHANE	P	
1-NITROPROPANE	P	Butyl (G)
2-NITROPROPANE	P	Butyl (G)
OCTANE	G	
OCTYL ALCOHOL	E	
OLEIC ACID	E	
OXALIC ACID	E	
PALMITIC ACID	G	
PCB (POLYCHLORINATED BIPHENYLS)	G	
PENTACHLOROPHENOL	G	
PENTANE	E	
PERCHLORIC ACID, 30-70%	F	Neoprene (F)
PERCHLOROETHYLENE	G	
PEROXYACETIC ACID	P	Butyl (G)
PETROLEUM ETHERS, 80-110C	G	
PHENOL	F	(F)
PHOSPHORIC ACID	G	
PICRIC ACID	E	
POTASSIUM HYDROXIDE	E	
POTASSIUM IODIDE	G	
PROPYL ACETATE	F	Butyl (F)
PYRIDINE	P	Butyl (G)
SODIUM CARBONATE	E	
SODIUM CHLORIDE	E	
SODIUM FLUORIDE	G	
SODIUM HYDROXIDE,30-70%	G	
SODIUM HYPOCHLORITE	E	
SODIUM THIOSULFATE	G	
STYRENE	P	Polyvinyl Alcohol (G)
SULFURIC ACID, <70%	F	
SULFURIC ACID, >70%	P	Butyl (G)
TANNIC ACID	G	
1,1,1,2-TETRACHLOROETHANE	F	Viton (G)
TETRAHYDROFURAN	F	Teflon (G)
TOLUENE	F	Viton (G)
TOLUENE-2,4-DIISOCYANATE (TDI)	P	Butyl (G)
1,2,4-TRICHLOROENZENE	F	Teflon (G)
1,1,1-TRICHLOROETHANE	P	Viton (G)
1,1,2-TRICHLOROETHANE	P	Viton (G)
TRICHLOROETHYLENE	P	Viton (G)
TRICRESYL PHOSPHATE	G	
TRIETHANOLAMINE	E	
TURPENTINE	E	

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XYLENES	F	Viton (G)
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