



Recommendation on chemical resistance

Protective gloves **VWR International** for single use have been tested in accordance with EN 374-3 "Determination of resistance to permeation by chemicals"

Chemical (synonyms)	VWR Latex powdered	VWR Latex powder-free	VWR Nitril	VWR Nitril Light	VWR Nitril Azur
Acetic acid (10%) (methylcarbon acid)	Level 6	Level 6	Level 6	Level 6	Level 6
Acetic acid (100%) (methylcarbon acid)		A			
Acetone (2- propanone, methyl ketone)	x	x	x	x	x
Acetonitrile (cyanomethane, ethyl nitrile)	x	x	x	x	x
Acrylamid (40%) (acrylic acid amide)	Level 6	Level 6	Level 6	Level 6	
Ammoniumhydroxid (25%)	A	A	A	A	A
Benzalconiumchloride liquid (Quart)		Level 6			
Chlorhexidin firm	Level 6	Level 6	Level 6	Level 6	
Chlorhexidingluconat + ethanol + water				Level 1	
Chloroform (trichloromethane, methyl trichloride)	x	x	x	x	
Cyclohexanol (Hexalin / at 23°C)		Level 1	Level 6	Level 3	
Dichlormethane (methylene chloride, Freon 30)	x	x	x	x	
Diethylamine (DEA)	x	x	x	x	
Diethylether (diethyloxid, ethoxyethane, anesthetic ether)	x	x	x	x	
Dimethylsulfoxide DMSO (deltan, demasorb)	x	x	x	x	
Ethanol (20%) (ethyl alcohol)	A	A	Level 6	Level 1	
Ethanol (40%) (ethyl alcohol)	x	x	Level 1	A	
Ethanol (70%) (ethyl alcohol)	x	x	A	A	
Ethanol (80%) (ethyl alcohol)	x	x	A	A	
Ethanol p.a. (ethyl alcohol)	x	x	A	A	
Ethidium bromide (1%) (homidium bromide)	x	x	Level 6	Level 6	Level 6
Ethyl acetate (Aceto acid ether)	x	x	A	A	
Formaldehyde (37%)(formalin, methyl aldehyde)	A	A	Level 6	Level 3	

Gasoline (heavy, bp 150 – 190°C – CAS 8232-32-4)	x	A	Level 2	Level 1	
Glutaraldehyde (5%)(1,3- diformylpropane; Glutaral)		Level 6	Level 6	Level 6	
Heptan – n (CAS 142-82-5)	x	x	Level 1	A	A
Hexan – n (CAS 110-54-3)	x	x	A	A	
Hydrochloric acid (36%) (muriatic acid, chlorohydric acid)		Level 2	Level 3	Level 2	
Hydrofluoric acid (40%)			Level 1	A	A
Isopropyl alcohol (40%) (2- propanol, isopropanol, IPA)	A	A		Level 1	
Isopropyl alcohol (70%) (2- propanol, isopropanol, IPA)	A	A		Level 1	
Isopropyl alcohol p.a. (2- propanol, isopropanol, IPA)	x	A		Level 1	
Linseed oil	A	A	A	A	
Methanol (5%) (methyl alcohol)				Level 6	
Methanol p.a. (methyl alcohol)	x	x	A	A	
Nitric acid (10%) (azotic acid)	Level 6	Level 6	Level 6	Level 6	Level 6
Nitric acid (36%) (azotic acid)		Level 6			
Nitric acid (50%) (azotic acid)			Level 4	Level 2	A
Phenol (10%) (carbolic acid, benzenol, hydroxybenzene)	A	A			
Phenol (80%) (carbolic acid, benzenol, hydroxybenzene)			Level 2		
Phosphoric acid (10%) (orthophosphoric acid)			Level 6	Level 6	Level 6
Potassium hydroxide (30%) (caustic potash, lye)		Level 1	Level 6	Level 6	Level 6
Sodium hydroxide (30%)(caustic soda, lye, white caustic)		Level 6			Level 6
Sodium hydroxide (40%)(caustic soda, lye, white caustic)	Level 6	Level 6	Level 6	Level 6	Level 6
Sulfuric acid (96%)(vitriol)		Level 1	Level 1	A	
Toluene (methylbenzol, phenylmethan, toluol)	x	x	x	x	
Trichlorethane (methyltrichloromethane, chlorotene)	x	x	x	x	
Xylene (xylol, dimethylbenzene)	x	x	x	x	

X not recommended

A for splash contact recommended – change glove immediately after con

Level 1 for short contact recommended

Level 2 for contact up to 60 min recommended

Level 3 for contact up to 120 min recommended

Level 4 for contact up to 240 min recommended

Level 5 for contact up to 480 min recommended

Level 6 for contact longer than 480 min recommended