Recommendation On Chemical Resistance For VWR Nitrile Green gloves

VWR Catalog No.	Article Description	Size
112-5154	VWR Glove Nitrile, PF, Green	X-S
112-5155	VWR Glove Nitrile, PF, Green	S
112-5156	VWR Glove Nitrile, PF, Green	M
112-5157	VWR Glove Nitrile, PF, Green	L
112-5158	VWR Glove Nitrile, PF, Green	X-L

Protective gloves VWR Collection for single use have been tested in accordance with EN 16523-1 “Determination of material resistance to permeation by chemicals- Part 1 : Permeation by liquid chemical under conditions of continuous contact" and achieve following test results:

Chemicals (synonyms)	CAS Number	VWR Nitrile Green
Acetic acid (10%)	64-19-7	Level 3
Acetic acid (99%)	64-19-7	A
Acetone (2-propanone, methyl ketone)	67-64-1	X
Acetonitrile (cyanomethane, ethyl nitrile)	75-05-8	X
Acryl amide (40%)	79-06-1	Level 6
Ammonium hydroxide (25 %)	1336-21-6	n.t.
Benzalconiumchloride liquid (Quats)	63449-41-2	n.t.
Chlorhexidindigluconat (0,5 %)	18472-51-0	n.t.
Chloroform (trichlormethan)	67-66-3	X
Cyclohexanol (Hexalin / at 23 °C)	108-93-0	Level 3
Dichlormethan (Methylendichlorid, Freon 30)	75-09-2	X
Diethyl amine (DEA)	109-89-7	X

Recommendation On Chemical Resistance For VWR Nitrile Green gloves

Diethyl ether (diethyloxid, ethoxyethane)	60-29-7	X
Dimethylsulfoxid DMSO (deltan, demasorb)	67-68-5	X
Ethanol (20%) (ethyl alcohol)	64-17-5	Level 1
Ethanol (40%) (ethyl alcohol)	64-17-5	n.t.
Ethanol (70 %) (ethyl alcohol)	64-17-5	n.t.
Ethanol (80 %) (ethyl alcohol)	64-17-5	n.t.
Ethanol (95 %) (eth I alcohol)	64-17-5	n.t.
Ethidium bromide (1%) (homidium bromide)	1239-45-8	. Level 6
Ethyl acetate (Aceto acid ether)	141-78-6	n.t.
Fentanyl Citrate Inj. (100pg/2ml)		n.t.
Formaldehyde (37%) with Methanol (10%) *"	50-00-0	Level 6
Gasoline (Petrol, heavy, 150 - 190°C)	8032-32-4	X
Glutaraldehyde (5%) (Pentan-1,5- dial, Glutaral)	111-30-8	Level 6
Heptane - n	142-82-5	n.t.
Hexane - n	110-54-3	n.t.
Hydrochloric acid (10%) (muriatic acid, chlorhydric acid)	7647-01-0	Level 6
Hydrochloric acid (36%) (muriatic acid, chlorhydric acid)	7647-01-0	n.t.
Hydrofluoric acid (40%) (2-propanol, IPA)	7664-39-3	n.t.
Hydrogen peroxide (10 %)	7722-84-1	n.t.

Recommendation On Chemical Resistance For VWR Nitrile Green gloves

Hydrogen peroxide (30 %)	7722-84-1	Level 6
Isopropyl alcohol (40%) (2-propanol, IPA)	67-63-0	Level 1
Isopropyl alcohol (70%) (2-propanol, IPA)	67-63-0	Level 1
Methanol (5%) (methyl alcohol)	67-56-1	nt.
Methanol p.a. (methyl alcohol)	67-56-1	n.t.
Ninhydrin (0,2%)	485-47-2	n.t.
Nitric acid (10%)	7697-37-2	Level 6
Nitric acid (36%)	7697-37-2	n.t.
Nitric acid (50%)	7697-37-2	n.t.
Nitric acid (65%)	7697-37-2	A
Phenol (10%)	108-95-2	n.t.
Phenol (80%)	108-95-2	n.t.
Phosphoric acid (10%) (orthophosphoric acid)	7664-38-2	Level 6
Phosphoric acid (30%) (orthophosphoric acid)	7664-38-2	Level 6
Potassium hydroxide (30%) (caustic potash, lye)	1310-58-3	Level 6
Povidone iodine (10%)	25655-41-8	n.t.
Sodium hydroxide (30%) (caustic soda, lye, white caustic)	1310-73-2	
Sodium hydroxide (40%) (caustic soda, lye, white caustic)	1310-73-2	Level 6
Sodium hypochlorite (10%)	7681-52-9	n.t.
Sulfuric acid (30%) (vitriol)	7664-93-9	n.t.

Recommendation On Chemical Resistance For VWR Nitrile Green gloves

Sulfuric acid (96%) (vitriol)	7664-93-9	A
Toluene (methylbenzol, phenylmethan, toluol)	108-88-3	X
Trichlorethane (methyltrichloromethane)	71-55-6	X
Xylene (xylol, dimethylbenzene)	95-47-6	X

X not recommended
A for splash contact recommended – change glove immediately after contact
Level 1 for short contact up to 30 min 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

Disclaimer: *As VWR Collection products are mainly intended to be used for analyses in laboratories,the finished products have not been tested and we state that this declaration not discharges the user from his obligation to ensure the product is suitable for his intended use(s).*

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