

Recommendation on Chemical Resistance for Nitrile and Latex gloves

VWR Catalogue Number	See List
Description	VWR® Nitrile and Latex Gloves
Date of Issue (yyyy-mm-dd)	2026-01-05

VWR Catalog No.	Description
112-6647	VWR® Xtra Nitrile Green Gloves, Powder Free, Accelerator Free XS
112-6648	VWR® Xtra Nitrile Green Gloves, Powder Free, Accelerator Free S
112-6649	VWR® Xtra Nitrile Green Gloves, Powder Free, Accelerator Free M
112-6650	VWR® Xtra Nitrile Green Gloves, Powder Free, Accelerator Free L
112-6651	VWR® Xtra Nitrile Green Gloves, Powder Free, Accelerator Free XL
112-2371	VWR®, Nitrile Gloves, Powder free, heavy weight S
112-2372	VWR®, Nitrile Gloves, Powder free, heavy weight M
112-2373	VWR®, Nitrile Gloves, Powder free, heavy weight L
112-3101	VWR®, Nitrile Gloves, Powder free, heavy weight XL
112-2754	VWR® NITRILE LIGHT, Nitrile Gloves, powder free ocean blue S
112-2755	VWR® NITRILE LIGHT, Nitrile Gloves, powder free ocean blue M
112-2756	VWR® NITRILE LIGHT, Nitrile Gloves, powder free ocean blue L
112-2757	VWR® NITRILE LIGHT, Nitrile Gloves, powder free ocean blue XL
112-4193	VWR® Nitrile Extra Light, Nitrile Gloves, Powder free violet blue XS
112-4194	VWR® Nitrile Extra Light, Nitrile Gloves, Powder free violet blue S
112-4195	VWR® Nitrile Extra Light, Nitrile Gloves, Powder free violet blue M
112-4196	VWR® Nitrile Extra Light, Nitrile Gloves, Powder free violet blue L
112-4197	VWR® Nitrile Extra Light, Nitrile Gloves, Powder free violet blue XL
112-6642	VWR Glove Latex Powder Free Non Sterile, Ambidextrous, Polymer Coated, XS
112-6643	VWR Glove Latex Powder Free Non Sterile, Ambidextrous, Polymer Coated S
112-6644	VWR Glove Latex Powder Free Non Sterile, Ambidextrous, Polymer Coated M
112-6645	VWR Glove Latex Powder Free Non Sterile, Ambidextrous, Polymer Coated L
112-6646	VWR Glove Latex Powder Free Non Sterile, Ambidextrous, Polymer Coated XL
112-6045	VWR® Nitrile Light Long, Nitrile Gloves, Disposable, Powder Free S
112-6046	VWR® Nitrile Light Long, Nitrile Gloves, Disposable, Powder Free M

VWR Catalog No.	Description
112-6047	VWR® Nitrile Light Long, Nitrile Gloves, Disposable, Powder Free L
112-6048	VWR® Nitrile Light Long, Nitrile Gloves, Disposable, Powder Free XL

Dear Customer,

Per your request, below is the manufacturer statement on the Recommendation on Chemical Resistance for Nitrile gloves the above catalogue number.

Below protective gloves have been tested in accordance with EN 16523-1:2015+A1:2018 "Determination of material resistance to permeation by chemicals" and achieve following test results

Chemical (synonyms)	CAS-Number	Nitrile powder free, accelerator free	Nitrile powder free, heavy weight	Nitrile Powder free ocean blue	Nitrile Powder free violet blue	Glove Latex Powder Free, Ambidextrous, Polymer Coated	Nitrile Light Long powder free
Acetic acid (10%)	64-19-7	n/a	n/a	n/a	Level 2	Level 3	n/a
Acetic acid (99%)	64-19-7	X	A	A	X	n/a	n/a
Acetone (2-propanone, methyl ketone)	67-64-1	X	X	X	X	n/a	n/a
Acetonitrile (cyanomethane, ethyl nitrile)	75-05-8	X	X	X	X	n/a	n/a
Acryl amide (40%)	79-06-1	n/a	Level 6	n/a	Level 4	n/a	n/a
Ammonium hydroxide (25 %)	1336-21-6	n/a	Level 2	n/a	A	n/a	Level 1
Benzalconiumchloride liquid (Quarts)	63449-41-2	n/a	n/a	n/a	Level 6	n/a	n/a
Chlorhexidindigluconat (4 %)	18472-51-0	n/a	Level 6	Level 6	Level 6	n/a	n/a
Chlorhexidindigluconat (20 %)	18472-51-0	n/a	Level 6	Level 6	Level 6	Level 6	n/a
Chloroform (99%) (trichlormethan)	67-66-3	X	X	X	X	n/a	n/a
Cyclohexanol (Hexalin / at 23 °C)	108-93-0	n/a	n/a	X	X	n/a	n/a
Dichlormethan (Methylendichlorid, Freon 30)	75-09-2	X	X	X	X	n/a	n/a
Diethyl amine (DEA)	109-89-7	X	X	X	X	n/a	n/a

Diethyl ether (diethyloxid, ethoxyethane)	60-29-7	X	X	X	X	n/a	n/a
Dimethylsulfoxid DMSO (deltan, demasorb)	67-68-5	X	n/a	X	X	n/a	n/a
Ethanol (10%) (ethyl alcohol)	64-17-5	n/a	n/a	n/a	n/a	n/a	n/a
Ethanol (20%) (ethyl alcohol)	64-17-5	n/a	Level 6	Level 6	Level 6	n/a	n/a
Ethanol (35%) (ethyl alcohol)*	64-17-5	n/a	n/a	n/a	n/a	n/a	n/a
Ethanol (70%) (ethyl alcohol)	64-17-5	n/a	n/a	A	Level 1	n/a	n/a
Ethidium bromide (1%) (homidium bromide)	1239-45-8	n/a	Level 6	Level 6	Level 6	n/a	n/a
Ethidium bromide (1.5%) (homidium bromide)	1239-45-8	n/a	n/a	n/a	n/a	Level 6	n/a
Ethyl acetate (Aceto acid ether)	141-78-6	n/a	n/a	X	X	n/a	n/a
Fentanyl Citrate Inj. (100µg/2ml)	n/a	n/a	Level 5	Level 5	Level 5	n/a	n/a
Formaldehyd (37%) with Methanol (10%)	50-00-0	Level 5	Level 5	Level 4	Level 6	Level 4	Level 5
Gasoline (Petrol, heavy, 150 - 190°C)	8032-32-4	X	X	X	X	n/a	n/a
Glutaraldehyde (5%) (Pentan-1,5- dial, Glutaral)	111-30-8	n/a	Level 6	n/a	Level 3	n/a	n/a
Glutaraldehyde (50%) (Pentan-1,5- dial, Glutaral)	111-30-8	n/a	n/a	n/a	n/a	n/a	n/a
Heptane - n	142-82-5	Level 2	Level 6	n/a	Level 1	n/a	n/a
Hexane - n	110-54-3	n/a	n/a	A	X	n/a	n/a
Hydrochloric acid (10%) (muriatic acid, chlorhydric acid)	7647-01-0	n/a	Level 6	Level 6	Level 6	n/a	n/a
Hydrochloric acid (36%) (muriatic acid, chlorhydric acid)	7647-01-0	n/a	Level 4	n/a	A	Level 3	n/a
Hydrofluoric acid (40%)	7664-39-3	n/a	A	A	n/a	n/a	Level 1
Hydrogen peroxide (30 %)	7722-84-1	n/a	Level 4	Level 6	Level 2	Level 6	Level 2

Isopropyl alcohol (40%) (2-propanol, IPA)*	67-63-0	n/a	n/a	n/a	Level 6	n/a	n/a
Isopropyl alcohol (70%) (2-propanol, IPA)	67-63-0	n/a	Level 6	Level 2	Level 1	n/a	n/a
Methanol (5%) (methyl alcohol)	67-56-1	n/a	X	n/a	n/a	n/a	n/a
Methanol p.a. (methyl alcohol)	67-56-1	n/a	n/a	X	X	n/a	n/a
Methylmethacrylate (MMA)	80-62-6	n/a	n/a	n/a	n/a	n/a	n/a
Ninhydrin (0,2%)	485-47-2	n/a	n/a	n/a	n/a	n/a	n/a
Nitric acid (10%)	7697-37-2	n/a	n/a	n/a	Level 3	Level 6	n/a
Nitric acid (50%)	7697-37-2	n/a	n/a	A	A	n/a	n/a
Nitric acid (65%)	7697-37-2	n/a	A	A	X	Level 3	n/a
Octenidin (0,1%)	71251-02-0	n/a	n/a	n/a	n/a	n/a	n/a
Phenol (0,1%)	108-95-2	n/a	n/a	n/a	n/a	n/a	n/a
Phenol (10%)	108-95-2	Level 2	n/a	X	X	n/a	n/a
Phosphoric acid (85%) (orthophosphoric acid)	7664-38-2	n/a	n/a	n/a	n/a	n/a	n/a
Potassium hydroxide (50%) (caustic potash, lye)	1310-58-3	n/a	n/a	n/a	n/a	n/a	n/a
Povidone iodine (10%)	25655-41-8	n/a	n/a	n/a	n/a	n/a	n/a
Sodium hydroxide (30%) (caustic soda, lye, white caustic)	1310-73-2	Level 6	n/a	n/a	n/a	n/a	n/a
Sodium hydroxide (40%) (caustic soda, lye, white caustic)	1310-73-2	n/a	Level 6	Level 6	Level 6	Level 6	Level 6
Sodium hypochlorite (10%)	7681-52-9	n/a	n/a	n/a	n/a	n/a	n/a
Sulfuric acid (30%) (vitriol)	7664-93-9	n/a	n/a	n/a	n/a	n/a	n/a
Sulfuric acid (50%) (vitriol)	7664-93-9	n/a	n/a	n/a	n/a	n/a	n/a
Sulfuric acid (96%) (vitriol)	7664-93-9	n/a	A	A	A	Level 4	n/a
Toluene (methylbenzol, phenylmethan, toluol)	108-88-3	X	X	X	X	n/a	n/a
Trichlorethane (methyltrichloromethane)	71-55-6	X	X	X	X	n/a	n/a
Xylene (xylol, dimethylbenzene)	95-47-6	X	X	X	X	n/a	n/a

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: VWR states that this declaration will not discharge the user from their obligation to ensure the product is suitable for the intended use. This product is intended for research use only. It is not for use in diagnostic procedures, therapeutic applications, or any human or clinical use.

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