

BREAKTHROUGH TIMES OF LABSOLUTE® DISPOSABLE GLOVES



Chemical substance	CAS number	LABSOLUTE® Sensitive	LABSOLUTE® Nitril Green	LABSOLUTE® Protective	LABSOLUTE® Latex powder-free
Acetic acid (10 %)	64-19-7	● Level 1	● Level 3	n. a.	n. a.
Acetone	67-64-1	N	N	N	N
Acetonitrile	75-05-8	N	N	N	N
Acrylamide (40 %)	79-06-1	● Level 5	● Level 6	● Level 6	n. a.
Ammoniac (25 % ammonia solution)	1336-21-6	S	n. a.	● Level 1	n. a.
Benzalconiumchloride, Liquid (Quats)	63449-41-2	● Level 6	n. a.	n. a.	● Level 6
Calcium chloride, granulated	10043-52-4	● Level 2	● Level 2	● Level 3	● Level 2
Chlorhexidindigluconat (0,5 %)	18472-51-0	n. a.	n. a.	n. a.	n. a.
Chlorhexidindigluconat (20 %)	18472-51-0	● Level 6	n. a.	n. a.	● Level 6
Chloroform (99 %)	67-66-3	N	N	N	N
Diethyl Ether	60-29-7	N	N	N	N
Diethylamine (DEA)	109-89-7	N	N	N	N
Dimethyl Sulfoxide (DMSO)	67-68-5	N	N	N	N
Ethanol (10 %)	64-17-5	n. a.	n. a.	n. a.	n. a.
Ethanol (20 %)	64-17-5	● Level 1	● Level 1	● Level 6	n. a.
Ethanol (70 %)	64-17-5	S	n. a.	● Level 3	N
Ethidium bromide (1 %)	1239-45-8	● Level 6	● Level 6	● Level 6	● Level 6
Ethyl acetate	141-78-6	N	n. a.	n. a.	N
Fentanyl citrate inj. (100 µg/2 Ml)		● Level 5	n. a.	● Level 5	n. a.
Formaldehyde (37 %) in methanol (10 %)*	50-00-0	● Level 6	● Level 6	● Level 6	● Level 6
Formamide	75-12-7	● Level 2	n. a.	● Level 4	n. a.
Glutaraldehyde (5 %)	111-30-8	● Level 5	● Level 6	● Level 6	n. a.
Heavy Petrol (B.P. 150 - 190 °C)	8032-32-4	N	N	N	N
Hydrochloric acid (10 %)	7647-01-0	● Level 6	● Level 6	● Level 6	n. a.
Hydrochloric acid (36 %)	7647-01-0	S	n. a.	● Level 6	n. a.
Hydrofluoric acid (40 %)	7664-39-3	n. a.	n. a.	S	n. a.
Hydrogen peroxide (30 %)	7722-84-1	● Level 6	● Level 6	● Level 6	● Level 6
Isopropanol, 2-Propanol (40 %)	67-63-0	● Level 6	● Level 1	n. a.	S
Isopropanol, 2-Propanol (70 %)	67-63-0	● Level 1	● Level 1	● Level 6	n. a.
Mercury(li) chloride	7487-94-7	n. a.	n. a.	S	n. a.
Methanol (10 %)	67-56-1	● Level 2	n. a.	● Level 4	n. a.

* Permeability refers to formaldehyde 37 % only

n. a.	not analysed	● Level 1	recommended for contact up to 30 min	● Level 4	recommended for application up to 240 min
N	not recommended	● Level 2	recommended for application up to 60 min	● Level 5	recommended for application up to 480 min
S	only for splash protection	● Level 3	recommended for application up to 120 min	● Level 6	recommended for application > 480 min

BREAKTHROUGH TIMES OF LABSOLUTE® DISPOSABLE GLOVES

Chemical substance	CAS number	LABSOLUTE® Sensitive	LABSOLUTE® Nitril Green	LABSOLUTE® Protective	LABSOLUTE® Latex powder-free
Methanol p.a.	67-56-1	N	n. a.	N	N
Methylene chloride	75-09-2	N	N	N	N
Methylmethacrylate (MMA)	80-62-6	n. a.	n. a.	n. a.	n. a.
n-Heptane	142-82-5	N	n. a.	n. a.	N
n-Hexane	110-54-3	N	n. a.	n. a.	N
Ninhydrine (0.2 %)	485-47-2	n. a.	n. a.	n. a.	n. a.
Nitric Acid (10 %)	7697-37-2	● Level 5	● Level 6	● Level 6	n. a.
Nitric Acid (36 %)	7697-37-2	n. a.	n. a.	n. a.	n. a.
Octenidin (0.1 %)	71251-02-0	n. a.	n. a.	n. a.	n. a.
Petrol Ether (Benzine)	64742-49-0	S	S	● Level 1	N
Phenol (10 % In Water)	108-95-2	● Level 1	n. a.	● Level 3	n. a.
Phenol (100 %, Solid)	108-95-2	● Level 2	n. a.	● Level 4	n. a.
Phenol (80 % In Water)	108-95-2	S	n. a.	● Level 1	n. a.
Phosphoric acid (o-, 10 %)	7664-38-2	n. a.	n. a.	● Level 5	n. a.
Phosphoric acid (o-, 50 %)	7664-38-2	n. a.	n. a.	● Level 3	n. a.
Phosphoric acid (o-, Saturated)	7664-38-2	n. a.	n. a.	● Level 2	n. a.
Poly(vinylpyrrolidone)-iodine complex	25655-41-8	● Level 6	n. a.	n. a.	n. a.
Potassium hydroxide (50 %, caustic pottash)	1310-58-3	n. a.	n. a.	n. a.	n. a.
Sodium hydroxide (40 %, Caustic Soda)	1310-73-2	● Level 6	● Level 6	● Level 6	● Level 6
Sodium hypochlorite (10 %)	7681-52-9	● Level 1	n. a.	● Level 3	n. a.
Sulfuric acid (30 %)	7664-93-9	n. a.	n. a.	n. a.	n. a.
Sulfuric acid (96 %)	7664-93-9	S	S	S	n. a.
Toluene	108-88-3	N	N	N	N
Trichloroethane	71-55-6	N	N	N	N
Xylene	95-47-6	N	N	N	N

n. a. not analysed ● Level 1 recommended for contact up to 30 min ● Level 4 recommended for application up to 240 min
 N not recommended ● Level 2 recommended for application up to 60 min ● Level 5 recommended for application up to 480 min
 S only for splash protection ● Level 3 recommended for application up to 120 min ● Level 6 recommended for application > 480 min



Please note, that the breakthrough times depends directly on the application and the purity of the chemicals. Every user has to check the disposable glove carefully for damage. Recommendation for Breakthrough times is not part of the glove specifications. All data of the table are based on laboratory experiments of the manufacturer. Th. Geyer assumes no liability, if the disposable gloves are not used as recommended. Please contact pm@thgeyer.de for further information.