

Ultranitril 491

Chemical Product	CAS #	Breakthrough time (minutes)	Permeation level	Standard	Degradation level	Rating
1,1,1-Trichloroethane 99%	71-55-6	45	2	EN 374-3:2003	1	-
2-Butoxyethanol (Butyl Cellusolve) 99%	111-76-2	236	4	EN 374-3:2003	3	++
2-Propanol (Isopropanol) 99%	67-63-0	>360	5	EN 374-3:2003	3	++
Acetic acid 99%	64-19-7	47	2	EN 374-3:2003	1	-
Acetone 99%	67-64-1	3	0	EN 374-3:2003	1	-
Ammonium hydroxide solution 25%	1336-21-6	132	4	EN 16523-1:2015	4	++
Bromine 100%	7726-95-6	18	1	EN 374-3:2003	NT	NA
Bromobenzene 99%	108-86-1	9	0	EN 374-3:2003	NT	NA
Butyl Acetate 99%	123-86-4	25	1	EN 374-3:2003	1	-
Carbon disulfide 99%	75-15-0	3	0	EN 16523-1:2015	NT	NA
Cyclohexane 99%	110-82-7	>480	6	EN 374-3:2003	4	++
Cyclohexanone 99%	108-94-1	29	1	EN 374-3:2003	1	-
Dichloromethane (Methylene Chloride) 99%	75-09-2	<1	0	EN 374-3:2003	1	-
Diethylamine 98%	109-89-7	17	1	EN 374-3:2003	1	-
Dimethylsulfoxide 99%	67-68-5	47	2	EN 374-3:2003	1	-
Ethanol 95%	64-17-5	130	4	EN 374-3:2003	3	++
Formaldehyde 37%	50-00-0	>480	6	EN 16523-1:2015	4	++
Fuel oils mixture	68476-34-6	>480	6	EN 374-3:2003	4	++
Hydrogen peroxide 30%	7722-84-1	>480	6	EN 16523-1:2015	3	++
Methanol 99%	67-56-1	47	2	EN 16523-1:2015	1	-
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	5	0	EN 374-3:2003	1	-
Methyl methacrylate 95%	80-62-6	11	1	EN 374-3:2003	1	-
Methylisobutylketone 99%	108-10-1	15	1	EN 374-3:2003	1	-
n-Heptane 99%	142-82-5	>480	6	EN 16523-1:2015	4	++
N-methyl-2-Pyrrolidone 99%	872-50-4	35	2	EN 374-3:2003	1	-

*not normalized result

OVERALL CHEMICAL PROTECTION RATING

Protection rating is determined by taking into account the effects of both permeation and degradation in an attempt to provide users with an overall protection guideline when using our glove products against specific chemicals.

- Used for **high chemical exposure** or chemical immersion, limited to breakthrough time based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative breakthrough time based on a working day.
- **Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
- **Not recommended**, these gloves are deemed unsuitable for work with this chemical.

 NT: Not tested

 NA: "Not applicable" because not fully tested (only degradation OR permeation results)

The chemical test data and overall chemical protection rating should not be used as the absolute basis for glove selection. Actual in-use conditions may vary glove performance from the controlled conditions of laboratory tests. Factors other than chemical contact time

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N-N dimethyl acetamide 99%	127-19-5	10	0	EN 374-3:2003	1	-
Naphtha, Hydrodesulphurized Heavy mixture	64742-82-1	>480	6	EN 374-3:2003	4	++
Naphtha, Hydrotreated Heavy mixture	64742-48-9	>480	6	EN 374-3:2003	4	++
Pentane isomers mixture	NA	>480	6	EN 374-3:2003	NT	NA
Phosphoric acid 75%	7664-38-2	>480	6	EN 374-3:2003	4	++
Sodium hydroxide 20%	1310-73-2	>480	6	EN 374-3:2003	4	++
Sodium hydroxide 40%	1310-73-2	>480	6	EN 16523-1:2015	4	++
Sodium hydroxide 50%	1310-73-2	>480	6	EN 374-3:2003	4	++
Styrene 99%	100-42-5	9	0	EN 374-3:2003	1	-
Sulfuric acid 96%	7664-93-9	80	3	EN 374-3:2003	1	-
t-Butyl Methyl Ether 98%	1634-04-4	240	4	EN 374-3:2003	3	++
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	117	3	EN 374-3:2003	3	++
Tetrahydrofuran 99%	109-99-9	4	0	EN 374-3:2003	1	-
Toluene 99%	108-88-3	16	1	EN 374-3:2003	1	-
Trichloroethylene 99%	79-01-6	4	0	EN 374-3:2003	1	-
Unleaded gasoline mixture	8006-61-9	98	3	EN 374-3:2003	4	++
Vinyl acetate 99%	108-05-4	9	0	EN 374-3:2003	1	-
Xylene 99%	1330-20-7	33	1	EN 374-3:2003	1	-

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