



Solo Ultra 997

Chemical Product	CAS #	BTT (minutes)	Permeation level	Standard	Degradatio level	Rating
2-Propanol (Isopropanol) 99%	67-63-0	30	1	ASTM F739	3	=
Acetic acid 50%	64-19-7	34	2	ASTM F739	2	=
Acetic acid 99%	64-19-7	4	0	ASTM F739	NT	NA
Acetone 99%	67-64-1	1	0	ASTM F739	1	-
Acetonitrile 99%	75-05-8	1	0	ASTM F739	NT	NA
Ammonium hydroxide solution 29%	1336-21-6	13	1	ASTM F739	4	+
Amyl Alcohol 99%	71-41-0	69	3	ASTM F739	NT	NA
Carbon Tetrachloride 99%	56-23-5	3	0	ASTM F739	NT	NA
Dichloromethane (Methylene Chloride) 99%	75-09-2	NT	0	ASTM F739	1	-
Diethylamine 98%	109-89-7	1	0	ASTM F739	NT	NA
Dimethylsulfoxide 99%	67-68-5	21	1	ASTM F739	NT	NA
Ethanol 100%	64-17-5	4	0	EN 374-3:2003	NT	NA
Ethanol 70%	64-17-5	22	1	EN 374-3:2003	NT	NA
Ethanol 95%	64-17-5	11	1	ASTM F739	NT	NA
Formic Acid 96%	64-18-6	3	0	ASTM F739	NT	NA
Hydrochloric acid 10%	7647-01-0	NT	NT		4	NA
Hydrochloric acid 35%	7647-01-0	53	2	EN 374-3:2003	4	+
Hydrochloric acid 37%	7647-01-0	60	2	ASTM F739	4	+
Hydrofluoric Acid 10%	7664-39-3	NT	NT		4	NA
Hydrofluoric Acid 49%	7664-39-3	10	0	ASTM F739	4	=
Hydrogen peroxide 30%	7722-84-1	480	6	ASTM F739	4	++
Methanol 99%	67-56-1	4	0	ASTM F739	3	=
n-Butanol 99%	71-36-3	41	2	ASTM F739	NT	NA
n-Heptane 99%	142-82-5	8	0	EN 374-3:2003	NT	NA
Naphtha Heavy mixture	68551-17-7	107	3	ASTM F739	4	++
Naphtha VM&P mixture	8032-32-4	27	1	ASTM F739	NT	NA

*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 BTT based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative BTT 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 suitable 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, such as concentration and temperature, glove thickness and glove reuse, may also affect performance. Other glove requirements, such as length, dexterity, cut, abrasion, puncture and snag resistance, or glove grip also need to be considered in making your final selection.

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Nitric acid 50%	7697-37-2	27	1	ASTM F739	1	-
p-dioxane (1,4-Dioxane) 99%	123-91-1	2	0	ASTM F739	NT	NA
Phenol 50%	108-95-2	3	0	ASTM F739	NT	NA
Phenol 85%	108-95-2	NT	NT		1	NA
Phosphoric acid 75%	7664-38-2	480	6	ASTM F739	4	++
Phosphoric acid 85%	7664-38-2	480	6	ASTM F739	4	++
Sodium hydroxide 20%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 40%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 50%	1310-73-2	480	6	ASTM F739	4	++
Sodium Hypochlorite 5%	10022-70-5	480	6	ASTM F739	NT	NA
Sulfuric acid 10%	7664-93-9	480	6	ASTM F739	4	++
Sulfuric acid 40%	7664-93-9	480	6	ASTM F739	4	++
Sulfuric acid 50%	7664-93-9	480	6	ASTM F739	4	++
Toluene 99%	108-88-3	1	0	ASTM F739	1	-
Unleaded gasoline mixture	8006-61-9	4	0	ASTM F739	NT	NA
Xylene 99%	1330-20-7	2	0	ASTM F739	1	-

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