



StanSolv AF-18

Chemical Product	CAS #	BTT (minutes)	Permeation level	Standard	Degradatio level	Rating
1,1,1-Trichloroethane 99%	71-55-6	91	3	ASTM F739	1	-
1,1,2,2-Tetrachloroethane 98%	79-34-5	44	2	ASTM F739	1	-
1,2 - dichloroethane 99%	107-06-2	7	0	ASTM F739	1	-
1,3 - Dichlorobenzene 98%	541-73-1	37	2	ASTM F739	1	-
1,3 Ethoxy propionate (Ethyl 3-ethoxypropionate) 99%	763-69-9	123	4	ASTM F739	3	++
2-(2-Butoxyethoxy) ethanol 99%	112-34-5	NT	NT		4	NA
2-Butoxyethanol (Butyl Cellusolve) 99%	111-76-2	474	5	ASTM F739	4	++
2-Ethoxyethyl acetate (Cellosolve Acetate) 99%	111-15-9	104	3	ASTM F739	2	+
2-Propanol (Isopropanol) 99%	67-63-0	480	6	ASTM F739	4	++
2-Pyrrolidine 99%	123-75-1	NT	NT		1	NA
2,2,2-Trifluoroethanol 99%	75-89-8	14	1	ASTM F739	1	-
Acetic acid 99%	64-19-7	93	3	ASTM F739	NT	NA
Ammonium hydroxide solution 29%	1336-21-6	374	5	ASTM F739	4	++
Aniline 99%	62-53-3	88	3	ASTM F739	1	-
Benzene 99%	71-43-2	18	1	ASTM F739	1	-
Butyl Acetate 99%	123-86-4	41	2	ASTM F739	2	=
Carbon Tetrachloride 99%	56-23-5	352	5	ASTM F739	NT	NA
Cyclohexane 99%	110-82-7	480	6	ASTM F739	4	++
Cyclopentanone 99%	120-92-3	NT	NT		1	NA
Diethylamine 98%	109-89-7	34	2	ASTM F739	3	+
Dimethylsulfoxide 99%	67-68-5	127	4	ASTM F739	2	+
Ethanol 95%	64-17-5	467	5	ASTM F739	4	++
Ether (Diethyl Ether) 99%	60-29-7	58	2	ASTM F739	4	+
Isobutyl alcohol 99%	78-83-1	NT	NT		4	NA
Kerosene mixture	8008-20-6	480	6	ASTM F739	4	++
Methanol 85%	67-56-1	NT	NT		4	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 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, 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.

StanSolv AF-18

Chemical Product	CAS #	BTT (minutes)	Permeation level	Standard	Degradatio level	Rating
Methanol 99%	67-56-1	63	3	ASTM F739	4	++
Methylisobutylketone 99%	108-10-1	41	2	ASTM F739	1	-
n-Heptane 99%	142-82-5	480	6	ASTM F739	4	++
n-hexane 95%	110-54-3	480	6	ASTM F739	4	++
N-methyl-2-Pyrrolidone 99%	872-50-4	27	1	ASTM F739	1	-
N-N dimethyl acetamide 99%	127-19-5	25	1	ASTM F739	1	-
Naphtha mixture	8030-30-6	480	6	ASTM F739	4	++
Naphtha VM&P mixture	8032-32-4	NT	NT		4	NA
Nitric acid 50%	7697-37-2	185	4	ASTM F739	3	++
Nitric acid 70%	7697-37-2	39	2	ASTM F739	1	-
Petroleum Distillates Hydrotreated Light mixture	64742-47-8	480	6	ASTM F739	4	++
Phenol 85%	108-95-2	223	4	ASTM F739	2	+
Phosphoric acid 75%	7664-38-2	480	6	ASTM F739	4	++
Phosphoric acid 85%	7664-38-2	480	6	ASTM F739	4	++
Potassium Hydroxide 50%	1310-58-3	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	++
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	++
t-Butyl Methyl Ether 98%	1634-04-4	374	5	ASTM F739	4	++
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	196	4	ASTM F739	3	++
Toluene 99%	108-88-3	21	1	ASTM F739	1	-
Unleaded gasoline mixture	8006-61-9	480	6	ASTM F739	4	++
Xylene 99%	1330-20-7	55	2	ASTM F739	2	=

*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 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, 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.