



Trionic E-194 BPK

Chemical Product	CAS #	BTT (minutes)	Permeation level	Standard	Degradatio level	Rating
1,1,1-Trichloroethane 99%	71-55-6	7	0	ASTM F739	NT	=====
1,1,1,2,2,3,4,5,5,5-Decafluoropentane 97%	138495-42-8	13	1	ASTM F739	NT	=====
1,1,2-Trichlorotrifluoroethane (Freon TF or Freon 113) 99%	76-13-1	20	1	ASTM F739	1	=====
1,2 Dichloroethylene 98%	156-60-5	2	0	ASTM F739	2	=====
1,3 Ethoxy propionate (Ethyl 3-ethoxypropionate) 99%	763-69-9	480	6	ASTM F739	NT	=====
2-Butoxyethanol (Butyl Cellusolve) 99%	111-76-2	53	2	ASTM F739	NT	=====
2-Butoxyethylacetate (Butyl cellosolve acetate) 85%	112-07-2	35	2	ASTM F739	NT	=====
2-Ethoxyethanol (Cellosolve) 99%	110-80-5	27	1	ASTM F739	NT	=====
2-Ethoxyethyl acetate (Cellosolve Acetate) 99%	111-15-9	14	1	ASTM F739	4	=====
2-Methoxyethanol (Methyl Cellosolve) 99%	109-86-4	40	2	ASTM F739	NT	=====
2-Methoxyethanol Acetate (Methyl cellosolve acetate) 98%	110-49-6	27	1	ASTM F739	NT	=====
2-Propanol (Isopropanol) 99%	67-63-0	38	2	ASTM F739	4	=====
4,4 - diamino diphenylsulfone 97%	80-008-0	480	6	ASTM F739	NT	=====
4,4'-Methylenedianiline (MDA) 15% and 15% Methanol mixture	101-77-9	19	1	ASTM F739	NT	=====
4,4'-Methylenedianiline (MDA) 15% in Toluene mixture	101-77-9	15	1	ASTM F739	NT	=====
Acetic acid 10%	64-19-7	NT	NT		4	=====
Acetic acid 50%	64-19-7	NT	NT		4	=====
Acetic acid 99%	64-19-7	32	2	ASTM F739	4	=====
Acetone 99%	67-64-1	6	0	ASTM F739	4	=====
Aluminum Etch mixture	NA	960	6	ASTM F739	4	=====
Aluminum Oxide mixture	NA	55	2	ASTM F739	NT	=====
Ammonium Fluoride 40%	12125-01-8	480	6	ASTM F739	NT	=====
Ammonium Fluoride 79%	12125-01-8	480	6	ASTM F739	NT	=====
Ammonium hydroxide solution 29%	1336-21-6	36	2	ASTM F739	4	=====
Baker PRS-1000 mixture	NA	20	1	ASTM F739	NT	=====
Baker PRS-2000 mixture	NA	130	4	ASTM F739	NT	=====
Baker PRS-3000 mixture	NA	480	6	ASTM F739	NT	=====

*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.

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- Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
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Benzene 99%	71-43-2	4	0	ASTM F739	1	-
Buffered Oxide Etch mixture	NA	480	6	ASTM F739	4	++
Butyl Acetate 99%	123-86-4	7	0	ASTM F739	4	=
Chromic Acid 50%	7738-94-5	60	2	ASTM F739	NT	
Cyclohexanone 99%	108-94-1	23	1	ASTM F739	1	-
Cyclopentanone 99%	120-92-3	11	1	ASTM F739	NT	
Dichloromethane (Methylene Chloride) 99%	75-09-2	4	0	ASTM F739	NT	
Dichromate cleaning solution mixture	NA	480	6	ASTM F739	4	++
Diethylamine 98%	109-89-7	4	0	ASTM F739	NT	
Diglycidal ether of bisphenol 100%	25068-38-6	480	6	ASTM F739	NT	
Dimethylamine 35%	124-40-3	53	2	ASTM F739	NT	
Dimethylformamide 99%	68-12-2	8	0	ASTM F739	NT	
Dimethylsulfoxide 99%	67-68-5	181	4	ASTM F739	4	++
Epichlorohydrin 99%	106-89-8	4	0	ASTM F739	NT	
Ethanol 95%	64-17-5	21	1	ASTM F739	NT	
Ethyl lactate 95%	97-64-3	29	1	ASTM F739	NT	
Ethylene glycol 99%	107-21-1	480	6	ASTM F739	4	++
Hexamethyldisilazane (HMDS) 98%	999-97-3	18	1	ASTM F739	1	-
Hydrochloric acid 10%	7647-01-0	480	6	EN 374-3:2003	4	++
Hydrochloric acid 35%	7647-01-0	NT	NT		4	
Hydrochloric acid 37%	7647-01-0	454	5	ASTM F739	4	++
Hydrofluoric Acid 10%	7664-39-3	NT	NT		4	
Hydrofluoric Acid 49%	7664-39-3	390	5	ASTM F739	NT	
Hydrogen peroxide 30%	7722-84-1	960	6	ASTM F739	4	++
Hydrotreated Light Naphthenic Distillate mixture	64742-53-6	161	4	ASTM F739	2	+
Kerosene mixture	8008-20-6	26	1	ASTM F739	1	-
KOH Etch mixture	NA	278	5	ASTM F739	4	++
KTI Pad Etch mixture	NA	480	6	ASTM F739	NT	
KTI Silicon Etch mixture	NA	480	6	ASTM F739	NT	
Methanesulfonic Acid 99%	75-75-2	NT	NT		4	

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Methanol 85%	67-56-1	19	1	ASTM F739	4	+
Methanol 99%	67-56-1	NT	NT		4	
Methyl Amyl Ketone 98%	110-43-0	8	0	ASTM F739	1	-
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	4	0	ASTM F739	3	=
Methyl-3-methoxypropionate 100%	3852-09-3	11	1	ASTM F739	3	=
n-hexane 95%	110-54-3	3	0	ASTM F739	1	-
N-methyl-2-Pyrrolidone 99%	872-50-4	50	2	ASTM F739	4	+
N-N dimethyl acetamide 99%	127-19-5	47	2	ASTM F739	NT	
Naphtha VM&P mixture	8032-32-4	2	0	ASTM F739	1	-
Nitric acid 10%	7697-37-2	840	6	ASTM F739	4	++
Nitric acid 20%	7697-37-2	480	6	ASTM F739	4	++
Nitric acid 40%	7697-37-2	480	6	ASTM F739	4	++
Nitric acid 50%	7697-37-2	NT	NT		4	
Nitric acid 68%	7697-37-2	299	5	EN 374-3:2003	4	++
Nitric acid 70%	7697-37-2	307	5	ASTM F739	4	++
Nitric acid 90%	7697-37-2	7	0	ASTM F739	NT	
Nitride Etch mixture	NA	NT	NT		4	
Nitrohydrochloric acid (Aqua Regia) mixture	8007-56-5	480	6	ASTM F739	NT	
Phenol 85%	108-95-2	102	3	ASTM F739	4	++
Phosphoric acid 75%	7664-38-2	480	6	ASTM F739	4	++
Phosphoric acid 85%	7664-38-2	480	6	ASTM F739	4	++
Phosphorus Oxychloride 99%	10025-87-3	15	1	ASTM F739	NT	
Piranha Etch mixture	NA	243	5	ASTM F739	1	-
Polyethylene glycol octylphenyl ether 100%	9002-93-1	480	6	ASTM F739	NT	
Potassium Hydroxide 50%	1310-58-3	480	6	ASTM F739	4	++
Potassium Hydroxide Etch mixture	NA	24	1	ASTM F739	NT	
Propylene Glycol 99%	57-55-6	480	6	ASTM F739	4	++

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Propylene Glycol Methyl Ethyl Acetate (PGMEA) 99%	108-65-6	47	2	ASTM F739	3	+
Propylene Glycol Monomethyl Ether 99%	107-98-2	26	1	ASTM F739	4	+
Silicon Tetrachloride 100%	10026-04-7	15	1	ASTM F739	NT	
Slope Etch mixture	NA	260	5	ASTM F739	4	++
Sodium hydroxide 20%	1310-73-2	780	6	ASTM F739	4	++
Sodium hydroxide 40%	1310-73-2	780	6	ASTM F739	4	++
Sodium hydroxide 50%	1310-73-2	780	6	ASTM F739	4	++
Sulfuric acid 10%	7664-93-9	900	6	ASTM F739	4	++
Sulfuric acid 96%	7664-93-9	102	3	ASTM F739	1	-
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	4	0	ASTM F739	1	-
Tetraethyl Orthosilicate 100%	78-10-4	25	1	ASTM F739	1	-
Tetramethyl Ammonium Hydroxide 25%	75-59-2	480	6	ASTM F739	4	++
Thionylchloride 99%	7719-09-7	15	1	ASTM F739	NT	
Toluene 49% Methyl Isobutyl Ketone 34.5% Methyl Ethyl Ketone 16.5% mixture	NA	1	0	EN 374-3:2003	NT	
Toluene Diisocyanate (TDI) 80%	584-84-9	27	1	ASTM F739	NT	
Trichloroethylene 99%	79-01-6	NT	NT		1	
Trimethylphosphite 97%	121-45-9	10	0	ASTM F739	NT	
Unleaded gasoline mixture	8006-61-9	4	0	ASTM F739	1	-
Xylene 99%	1330-20-7	4	0	ASTM F739	1	-

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