

CAS Number	Chemical Name / Synonym	Concentration [%]	Breakthrough time (Normalized - in min.)	
			JetGuard® PLUS <sup>2</sup> Mfg:Indutex	Zytron® 200 <sup>1</sup> Mfg:Kappler
127-18-4	1,1,2,2-TETRACHLOROETHYLENE	95+	>480	21
120-82-1	1,2,4- Trichlorobenzene	95+	60	
79-95-8	2,2',6,6'- Tetrachlorobiphenol	95+	>480	
107-07-3	2-CHLOROETHANOL	95+	>480	
75-07-0	ACETALDEHYDE	95+	>480	
64-19-7	ACETIC ACID	95+	>480	
67-64-1	ACETONE	95+	244	17
75-05-8	ACETONITRILE	95+	>480	52
107-02-8	ACROLEIN	95+	>480	
79-06-1	ACRYLAMIDE	50% in water	>480	
107-13-1	ACRYLONITRILE	95+	>480	
107-18-6	ALLYL ALCOHOL	95+	>480	
107-05-1	ALLYL CHLORIDE	95+	>480	
7664-41-7	AMMONIA GAS	95+	>480	
1336-21-6	AMMONIUM HYDROXIDE	28-30	>480	
628-63-7	Amyl acetate n-	95+	>480	
62-53-3	ANILINE	95+	>480	
120-12-7	Anthracene (sat'd. in toluene)	95+	>480	
7647-18-9	Antimony pentachloride	95+	>480	
71-43-2	Benzene	95+	>480	
100-47-0	BENZONITRILE	95+	455	
7726-95-6	BROMINE	95+	56	
142-96-1	BUTYL ETHER N-	95+	>480	
75-15-0	CARBON DISULFIDE	95+	77	2
56-23-5	CARBON TETRACHLORIDE	95+	>480	
7782-50-5	CHLORINE GAS	95+	>480	
79-11-8	CHLOROACETIC ACID	95+	>480	
108-90-7	CHLOROBENZENE	95+	4	
107-07-3	Chloroethanol 2-	95+	>480	
67-66-3	CHLOROFORM	95+	>480	
107-30-2	CHLOROMETHYL METHYL ETHER	95+	>480	
8001-58-9	Creosote	95+	>480	
95-48-7	Cresol-o	95+	>480	
110-82-7	CYCLOHEXANE	95+	>480	
117-81-7	DI (2-ETHYLHEXYL) PHTHALATE	95+	>480	
75-09-2	DICHLOROMETHANE	95+	105	2
70892-10-3	Diesel fuel	95+	>480	
109-89-7	DIETHYLAMINE	95+	>480	21
127-19-5	DIMETHYL ACETAMIDE N, N-	95+	>480	
62-75-9	Dimethyl nitrosamine	95+	>480	
75-18-3	Dimethyl sulphide	95+	>480	
68-12-2	DIMETHYLFORMAMIDE N,N-	95+	>480	77
123-91-1	Dioxane 1,4-	95+	>480	
106-89-8	EPICHLOROHYDRIN	95+	>480	
141-43-5	ETHANOLAMINE	95+	>480	
141-78-6	ETHYL ACETATE	95+	>480	14
111-15-9	ETHYL CELLOSOLVE(R) ACETATE	95+	>480	
107-15-3	ETHYLENE DIAMINE	99	>480	
106-93-4	ETHYLENE DIBROMIDE	95+	>480	
107-21-1	Ethylene Glycol	95+	>480	
462-06-6	FLUOROBENZENE	95+	>480	
50-00-0	FORMALDEHYDE GAS	37	>480	
64-18-6	FORMIC ACID	95+	>480	
98-01-1	FURFURAL	95+	137	
86290-81-5	GASOLINE, LEADED	95+	>480	
822-06-0	Hexamethylene diisocyanate	95+	>480	

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110-54-3	HEXANE, N-	95+	>480	7
302-01-2	HYDRAZINE	95+	>480	
7647-01-0	HYDROCHLORIC ACID	37	>480	
7664-39-3	HYDROFLUORIC ACID	70	>480	
7664-39-3	HYDROFLUORIC ACID	50	>480	
7803-57-8	Idrazine Monohydrate	95+	>480	
99-63-8	Isophthaloyldichloride	95+	>480	
67-63-0	ISOPROPYL ALCOHOL	95+	>480	
8008-20-8	Kerosene (Jet A fuel)	95+	>480	
541-25-3	LEWISITE (L) CHEMICAL AGENT	95+	>1440	
7487-94-7	MERCURIC CHLORIDE	sat.	>480	
67-56-1	METHANOL	95+	361	>480
78-93-3	METHYL ETHYL KETONE	95+	>480	
108-10-1	METHYL ISOBUTYL KETONE	95+	11	
624-83-9	METHYL ISOCYANATE	95+	9	
78-94-4	Methyl vinyl ketone	95+	>480	
108-10-1	Methyl-2-pentanone 4-	95+	11	
74-95-3	Methylene bromide	95+	312	
75-09-2	Methylene chloride	95+	>480	
1634-04-4	Methyl-t-butyl-ether	95+	>480	
505-60-2	MUSTARD (HD) CHEMICAL AGENT	95+	>1440	
91-20-3	Naphthalene	95+	>480	
7697-37-2	NITRIC ACID, 70%	70	>480	
7697-37-2	NITRIC ACID, 90%	90	>480	
98-95-3	NITROBENZENE	95+	>480	97
10102-44-0	Nitrogen dioxide	95+	>480	
8006-61-9	Petrol, unleaded	95+	>480	
108-95-2	PHENOL	85+	>480	
7664-38-2	PHOSPHORIC ACID	85	>480	
10025-87-3	PHOSPHOROUS OXYCHLORIDE	95+	>480	
7719-12-2	Phosphorous Tricloride	95+	>480	
11097-69-1	Polychlorinated biphenyl (PC)	95+	>480	
7789-00-6	POTASSIUM CHROMATE	sat. in water	>480	
75-56-9	PROPYLENE OXIDE 1,2-	95+	>480	
107-44-8	SARIN (GB) CHEMICAL AGENT	95+	>1440	
143-33-9	SODIUM CYANIDE	95+	>480	
1310-73-2	SODIUM HYDROXIDE, 42-50%	50	>480	>480
7681-52-9	Sodium hypochlorite (12-30% ch)	95+	>480	
96-64-0	SOMAN (GD) CHEMICAL AGENT	95+	>1440	
7446-09-5	SULFUR DIOXIDE	95+	>480	
7664-93-9	SULFURIC ACID	????		>480
7446-09-5	Sulphur dioxide	95+	>480	
96-09-3	Styrene Oxide	95+	>480	
77-81-6	TABUN (GA) CHEMICAL AGENT	95+	>1440	
109-99-9	TETRAHYDROFURAN	95+	>480	3
1118-46-3	Tin chloride, Mono-n-butyl	95+	>480	
1464-22-9	Tin chloride, Tri-n-butyl	95+	>480	
584-84-9	TOLUENE-2,4-DIISOCYANATE	95+	>480	6
95-53-4	TOLUIDINE O-	95+	>480	
76-03-9	Trichloroacetic acid	95+	>480	
120-82-1	TRICHLOROENZENE 1,2,4-	95+	60	
76-05-1	Trifluoroacetic acid	95+	>480	
935-92-2	Trimethyl chinon	95+	>480	
108-05-4	VINYL ACETATE	95+	>480	

1 = Lab results published on www.Kappler.com

2 = Tessaform® materials is used to make the JetGuardPLUS®, Class 3 Ensemble®, and GasGuardT2® Garments  
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