

Ultranitril 480

Chemical Product	CAS #	Breakthrough time (minutes)	Permeation level	Standard	Degradation level	Rating
1,1,1-Trichloroethane 99%	71-55-6	276	5	ASTM F739	1	-
1,1,2-Trichlorotrifluoroethane (Freon TF or Freon 113) 99%	76-13-1	480	6	ASTM F739	4	++
1,1,2,2-Tetrachloroethane 98%	79-34-5	59	2	ASTM F739	1	-
1,2 - dichloroethane 99%	107-06-2	18	1	ASTM F739	1	-
1,3 - Dichlorobenzene 98%	541-73-1	73	3	ASTM F739	1	-
2-Butoxyethanol (Butyl Cellusolve) 99%	111-76-2	480	6	ASTM F739	4	++
2-Ethoxyethanol (Cellosolve) 99%	110-80-5	416	5	ASTM F739	4	++
2-Ethoxyethyl acetate (Cellosolve Acetate) 99%	111-15-9	162	4	ASTM F739	3	++
2-Propanol (Isopropanol) 99%	67-63-0	480	6	EN 374-3:2003	4	++
2-Propanol (Isopropanol) 99%	67-63-0	480	6	ASTM F739	4	++
2,2,2-Trifluoroethanol 99%	75-89-8	43	2	ASTM F739	1	-
Acetic acid 10%	64-19-7	480	6	ASTM F739	4	++
Acetic acid 50%	64-19-7	480	6	ASTM F739	4	++
Acetic acid 99%	64-19-7	118	3	ASTM F739	NT	NA
Acetone 99%	67-64-1	NT	NT		1	NA
Acrylonitrile 99%	107-13-1	12	1	ASTM F739	1	-
Ammonium hydroxide solution 25%	1336-21-6	480	6	EN 16523-1:2015	4	++
Ammonium hydroxide solution 29%	1336-21-6	480	6	ASTM F739	4	++
Aniline 99%	62-53-3	72	3	ASTM F739	1	-
Benzene 99%	71-43-2	27	1	ASTM F739	1	-
Butyl Acetate 99%	123-86-4	78	3	EN 374-3:2003	1	-
Butyl Acetate 99%	123-86-4	164	4	ASTM F739	1	-
Carbon disulfide 99%	75-15-0	20	1	EN 16523-1:2015	2	=
Carbon disulfide 99%	75-15-0	20	1	ASTM F739	2	=
Carbon Tetrachloride 99%	56-23-5	341	5	ASTM F739	3	++

*not normalized result

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Chlorobenzene 99%	108-90-7	42	2	ASTM F739	NT	NA
Chromic Acid 50%	7738-94-5	175	4	ASTM F739	4	++
Cumene 98%	98-82-8	271	5	ASTM F739	3	++
Cyclohexane 99%	110-82-7	480	6	ASTM F739	4	++
Diethanolamine 97%	111-42-2	480	6	ASTM F739	4	++
Diethylamine 98%	109-89-7	53	2	EN 16523-1:2015	1	-
Dimethylformamide 99%	68-12-2	35	2	ASTM F739	NT	NA
Dimethylsulfoxide 99%	67-68-5	480	6	ASTM F739	3	++
Epichlorohydrin 99%	106-89-8	4	0	ASTM F739	NT	NA
Ethanol 95%	64-17-5	480	6	ASTM F739	4	++
Ether (Diethyl Ether) 99%	60-29-7	64	3	ASTM F739	4	++
Ethyl acetate 99%	141-78-6	27	1	EN 16523-1:2015	NT	NA
Ethylene glycol 99%	107-21-1	480	6	ASTM F739	4	++
Ethylene oxide 100%	75-21-8	32	2	ASTM F739	NT	NA
Formaldehyde 37%	50-00-0	480	6	EN 16523-1:2015	4	++
Formaldehyde 37%	50-00-0	480	6	ASTM F739	4	++
Freon 12 99%	75-71-8	480	6	ASTM F739	NT	NA
Fuel oils mixture	68476-34-6	480	6	ASTM F739	NT	NA
Furfural 99%	98-01-1	61	3	ASTM F739	NT	NA
Hydrazine 35%	302-01-2	480	6	ASTM F739	4	++
Hydrazine 70%	302-01-2	480	6	ASTM F739	4	++
Hydrochloric acid 10%	7647-01-0	480	6	EN 374-3:2003	4	++
Hydrochloric acid 10%	7647-01-0	480	6	ASTM F739	4	++
Hydrochloric acid 35%	7647-01-0	480	6	EN 374-3:2003	4	++
Hydrochloric acid 37%	7647-01-0	480	6	ASTM F739	4	++
Hydrochloric acid 50%	7647-01-0	NT	NT		4	NA

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Hydrofluoric Acid 10%	7664-39-3	NT	NT		4	NA
Hydrofluoric Acid 49%	7664-39-3	134	4	ASTM F739	4	++
Hydrogen peroxide 30%	7722-84-1	480	6	EN 16523-1:2015	4	++
Isobutyl alcohol 99%	78-83-1	480	6	ASTM F739	4	++
Kerosene mixture	8008-20-6	480	6	ASTM F739	4	++
m-Cresol 97%	108-39-4	210	4	ASTM F739	2	+
Methanol 99%	67-56-1	122	4	EN 16523-1:2015	3	++
Methanol 99%	67-56-1	148	4	ASTM F739	3	++
Methylisobutylketone 99%	108-10-1	57	2	ASTM F739	NT	NA
n-Heptane 99%	142-82-5	480	6	EN 16523-1:2015	4	++
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	108	3	ASTM F739	NT	NA
N-N dimethyl acetamide 30%	127-19-5	480	6	ASTM F739	NT	NA
N-N dimethyl acetamide 99%	127-19-5	39	2	ASTM F739	1	-
Naphtha mixture	8030-30-6	480	6	ASTM F739	4	++
Naphtha (Stoddart Solvent) mixture	8052-41-3	480	6	ASTM F739	4	++
Naphtha Heavy mixture	68551-17-7	NT	NT		4	NA
Naphtha VM&P mixture	8032-32-4	480	6	ASTM F739	4	++
Nitric acid 50%	7697-37-2	341	5	ASTM F739	3	++
Nitric acid 70%	7697-37-2	49	2	ASTM F739	NT	NA
Nitrobenzene 99%	98-95-3	45	2	ASTM F739	1	-
Oleic Acid 90%	112-80-1	NT	NT		4	NA
Phenol 85%	108-95-2	255	5	ASTM F739	3	++
Phosphoric acid 75%	7664-38-2	480	6	ASTM F739	4	++
Phosphoric acid 85%	7664-38-2	480	6	ASTM F739	4	++

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Polychlorinated Biphenyl (PCB) (50%) in 1,2,4-Trichlorobenzene mixture	11097-69-1	343	5	ASTM F739	NT	NA
Potassium Hydroxide 50%	1310-58-3	480	6	ASTM F739	4	++
Pyridine 99%	110-86-1	26	1	ASTM F739	1	-
Sodium hydroxide 20%	1310-73-2	480	6	EN 374-3:2003	4	++
Sodium hydroxide 20%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 40%	1310-73-2	480	6	EN 16523-1:2015	4	++
Sodium hydroxide 40%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 50%	1310-73-2	480	6	EN 374-3:2003	4	++
Sodium hydroxide 50%	1310-73-2	480	6	ASTM F739	4	++
Styrene 99%	100-42-5	36	2	EN 16523-1:2015	1	-
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	++
Sulfuric acid 96%	7664-93-9	243	5	EN 16523-1:2015	NT	NA
t-Butyl Methyl Ether 98%	1634-04-4	480	6	ASTM F739	NT	NA
Tert. Amyl Methyl Ether 96%	994-05-8	480	6	ASTM F739	NT	NA
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	480	6	ASTM F739	4	++
Tetrahydrofurane 99%	109-99-9	17	1	ASTM F739	1	-
Toluene 99%	108-88-3	51	2	EN 16523-1:2015	1	-
Toluene 99%	108-88-3	28	1	ASTM F739	1	-
Toluene Diisocyanate (TDI) 80%	584-84-9	480	6	ASTM F739	2	+
Trichloroethylene 99%	79-01-6	9	0	ASTM F739	1	-
Triethanolamine 98%	102-71-6	480	6	ASTM F739	4	++
Turpentine mixture	8006-64-2	480	6	ASTM F739	4	++
Unleaded gasoline mixture	8006-61-9	480	6	ASTM F739	4	++

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Vinyl acetate 99%	108-05-4	30	1	ASTM F739	2	=
Xylene 99%	1330-20-7	92	3	ASTM F739	2	+

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