



UltraNeo 339

Chemical Product	CAS #	Breakthrough time (minutes)	Permeation level	Standard	Degradation level	Rating
1,1,1-Trichloroethane 99%	71-55-6	54	2	ASTM F739	2	=
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	NT	NT		1	NA
1,2 - dichloroethane 99%	107-06-2	30	1	ASTM F739	1	-
1,2-Dichlorobenzene 99%	95-50-1	60	3	ASTM F739	1	-
1,2,4-Trichlorobenzene 99%	120-82-1	131	4	ASTM F739	1	-
1,3 - Dichlorobenzene 98%	541-73-1	31	2	ASTM F739	1	-
2-Butoxyethanol (Butyl Cellusolve) 99%	111-76-2	480	6	ASTM F739	4	++
2-Chlorotoluene (o-Chlorotoluene) 99%	95-49-8	40	2	ASTM F739	1	-
2-Ethoxyethanol (Cellosolve) 99%	110-80-5	463	5	ASTM F739	4	++
2-Ethoxyethyl acetate (Cellosolve Acetate) 99%	111-15-9	NT	NT		3	NA
2-Propanol (Isopropanol) 99%	67-63-0	480	6	ASTM F739	4	++
2,2,2-Trifluoroethanol 99%	75-89-8	480	6	ASTM F739	4	++
4-Chlorotoluene (p-Chlorotoluene) 98%	106-43-4	31	2	ASTM F739	1	-
Acetaldehyde 99%	75-07-0	36	2	ASTM F739	4	+
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	480	6	ASTM F739	3	++
Acetic acid 99%	64-19-7	480	6	EN 16523-1:2015	3	++
Acetone 99%	67-64-1	47	2	ASTM F739	4	+
Acetone 99%	67-64-1	31	2	EN 374-3:2003	4	+
Acetonitrile 99%	75-05-8	134	4	ASTM F739	4	++
Acetonitrile 99%	75-05-8	146	4	EN 16523-1:2015	4	++
Acrylonitrile 99%	107-13-1	80	3	ASTM F739	4	++
Ammonium hydroxide solution 29%	1336-21-6	480	6	ASTM F739	4	++

*not normalized result

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Benzene 99%	71-43-2	16	1	ASTM F739	1	-
Butyl Acetate 99%	123-86-4	50	2	ASTM F739	2	=
Butyl Acetate 99%	123-86-4	56	2	EN 374-3:2003	2	=
Carbon disulfide 99%	75-15-0	5	0	ASTM F739	1	-
Carbon Tetrachloride 99%	56-23-5	55	2	ASTM F739	1	-
Chlorobenzene 99%	108-90-7	17	1	ASTM F739	2	=
Chloroform 99%	67-66-3	9	0	ASTM F739	1	-
Chromic Acid 50%	7738-94-5	442	5	ASTM F739	4	++
Cumene 98%	98-82-8	49	2	ASTM F739	2	=
Cyclohexane 99%	110-82-7	204	4	ASTM F739	4	++
Dichloromethane (Methylene Chloride) 99%	75-09-2	7	0	ASTM F739	1	-
Diethanolamine 97%	111-42-2	480	6	ASTM F739	4	++
Dimethylformamide 99%	68-12-2	92	3	ASTM F739	3	++
Dimethylsulfoxide 99%	67-68-5	480	6	ASTM F739	4	++
Ethanol 95%	64-17-5	480	6	ASTM F739	4	++
Ether (Diethyl Ether) 99%	60-29-7	16	1	ASTM F739	2	=
Ethyl acetate 99%	141-78-6	40	2	ASTM F739	3	+
Ethyl acetate 99%	141-78-6	22	1	EN 16523-1:2015	3	=
Ethylene glycol 99%	107-21-1	480	6	ASTM F739	4	++
Formaldehyde 37%	50-00-0	480	6	ASTM F739	4	++
Formaldehyde 37%	50-00-0	480	6	EN 16523-1:2015	4	++
Furfural 99%	98-01-1	208	4	ASTM F739	4	++
Hydrazine 35%	302-01-2	480	6	ASTM F739	NT	NA
Hydrochloric acid 10%	7647-01-0	480	6	ASTM F739	4	++
Hydrochloric acid 10%	7647-01-0	480	6	ASTM F739	4	++
Hydrochloric acid 10%	7647-01-0	480	6	EN 374-3:2003	4	++

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Hydrochloric acid 10%	7647-01-0	480	6	EN 374-3:2003	4	++
Hydrochloric acid 10%	7647-01-0	480	6	EN 374-3:2003	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	++
Hydrofluoric Acid 40%	7664-39-3	480	6	EN 16523-1:2015	NT	NA
Hydrogen fluoride Anhydrous 100% Liq.	7664-39-3	480	6	ASTM F739	NT	NA
Hydrogen fluoride Anhydrous 99% Gas	7664-39-3	480	6	ASTM F739	NT	NA
Hydrogen peroxide 30%	7722-84-1	480	6	EN 16523-1:2015	NT	NA
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	480	6	ASTM F739	4	++
Methanol 85%	67-56-1	480	6	ASTM F739	4	++
Methanol 85%	67-56-1	480	6	EN 374-3:2003	4	++
Methanol 99%	67-56-1	480	6	ASTM F739	3	++
Methanol 99%	67-56-1	221	4	EN 16523-1:2015	3	++
Methanol 99%	67-56-1	480	6	EN 374-3:2003	3	++
Methyl Amyl Ketone 98%	110-43-0	45	2	ASTM F739	2	=
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	28	1	ASTM F739	2	=
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	16	1	EN 16523-1:2015	2	=
Methylisobutylketone 99%	108-10-1	50	2	ASTM F739	2	=
n-Heptane 99%	142-82-5	132	4	EN 16523-1:2015	4	++
n-hexane 95%	110-54-3	165	4	ASTM F739	4	++
N-methyl-2-Pyrrolidone 99%	872-50-4	109	3	ASTM F739	2	+
N-N dimethyl acetamide 99%	127-19-5	134	4	ASTM F739	3	++
Naphtha Heavy mixture	68551-17-7	480	6	ASTM F739	4	++

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Naphtha VM&P mixture	8032-32-4	110	3	ASTM F739	4	++
Naphtha, Hydrotreated Heavy mixture	64742-48-9	480	6	EN 374-3:2003	4	++
Nitric acid 10%	7697-37-2	480	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	480	6	ASTM F739	4	++
Nitric acid 65%	7697-37-2	480	6	EN 16523-1:2015	4	++
Oleum (free SO3) 67%	8014-95-7	NT	NT		3	NA
p-dioxane (1,4-Dioxane) 99%	123-91-1	65	3	ASTM F739	2	+
Petroleum Distillates Hydrotreated Light mixture	64742-47-8	480	6	ASTM F739	4	++
Phenol 85%	108-95-2	480	6	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	++
Potassium Hydroxide 50%	1310-58-3	480	6	ASTM F739	4	++
Pyridine 99%	110-86-1	55	2	ASTM F739	2	=
Sodium hydroxide 20%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 20%	1310-73-2	480	6	EN 374-3:2003	4	++
Sodium hydroxide 40%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 40%	1310-73-2	480	6	EN 16523-1:2015	4	++
Sodium hydroxide 50%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 50%	1310-73-2	480	6	EN 374-3:2003	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	++
Sulfuric acid 96%	7664-93-9	260	5	ASTM F739	3	++

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Sulfuric acid 96%	7664-93-9	223	4	EN 374-3:2003	3	++
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	23	1	ASTM F739	2	=
Toluene 99%	108-88-3	18	1	ASTM F739	1	-
Toluene 99%	108-88-3	12	1	EN 16523-1:2015	1	-
Triethanolamine 98%	102-71-6	480	6	ASTM F739	4	++
Unleaded gasoline mixture	8006-61-9	47	2	ASTM F739	2	=
Vinyl Chloride 99%	75-01-4	480	6	ASTM F739	NT	NA
Xylene 99%	1330-20-7	34	2	ASTM F739	1	-

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