



ChemPly N730

Chemical Product	CAS #	Breakthrough time (minutes)	Permeation level	Standard	Degradation level	Rating
1,1,1-Trichloroethane 99%	71-55-6	22	1	ASTM F739	1	-
1,1,2,2-Tetrachloroethane 98%	79-34-5	27	1	ASTM F739	1	-
1,2-Dichlorobenzene 99%	95-50-1	NT	NT		1	NA
1,2,4-Trichlorobenzene 99%	120-82-1	38	2	ASTM F739	1	-
1,3 - Dichlorobenzene 98%	541-73-1	17	1	ASTM F739	1	-
2-(2-Butoxyethoxy) ethanol 99%	112-34-5	NT	NT		4	NA
2-Butoxyethanol (Butyl Cellusolve) 99%	111-76-2	280	5	ASTM F739	4	++
2-Chlorotoluene (o-Chlorotoluene) 99%	95-49-8	16	1	ASTM F739	1	-
2-Ethoxyethanol (Cellosolve) 99%	110-80-5	304	5	ASTM F739	4	++
2-Ethoxyethyl acetate (Cellosolve Acetate) 99%	111-15-9	52	2	ASTM F739	2	=
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	11	1	ASTM F739	1	-
4,4'-Methylenedianiline (MDA) 15% and 15% Methanol mixture	101-77-9	480	6	ASTM F739	NT	NA
Acetaldehyde 99%	75-07-0	13	1	ASTM F739	3	=
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	4	++
Acetone 99%	67-64-1	26	1	ASTM F739	4	+
Acetonitrile 99%	75-05-8	55	2	ASTM F739	3	+
Acrylonitrile 99%	107-13-1	24	1	ASTM F739	3	=
Ammonium hydroxide solution 29%	1336-21-6	367	5	ASTM F739	4	++
Aniline 99%	62-53-3	135	4	ASTM F739	3	++
Baker PRS-1000 mixture	NA	26	1	ASTM F739	4	+
Benzene 99%	71-43-2	11	1	ASTM F739	1	-

*not normalized result

OVERALL CHEMICAL PROTECTION RATING

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Butyl Acetate 99%	123-86-4	19	1	ASTM F739	1	-
Carbon disulfide 99%	75-15-0	NT	NT		1	NA
Carbon Tetrachloride 99%	56-23-5	26	1	ASTM F739	1	-
Chlorobenzene 99%	108-90-7	11	1	ASTM F739	1	-
Chloroform 99%	67-66-3	7	0	ASTM F739	1	-
Chromic Acid 50%	7738-94-5	193	4	ASTM F739	4	++
Cumene 98%	98-82-8	20	1	ASTM F739	1	-
Cyclohexane 99%	110-82-7	152	4	ASTM F739	4	++
Dichloromethane (Methylene Chloride) 99%	75-09-2	4	0	ASTM F739	1	-
Diethanolamine 97%	111-42-2	480	6	ASTM F739	4	++
Diethylene Glycol 99%	111-46-6	480	6	ASTM F739	4	++
Dimethylformamide 99%	68-12-2	44	2	ASTM F739	1	-
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	9	0	ASTM F739	2	-
Ethyl acetate 99%	141-78-6	13	1	ASTM F739	2	=
Ethylene glycol 99%	107-21-1	480	6	ASTM F739	4	++
Formaldehyde 37%	50-00-0	480	6	ASTM F739	4	++
Furfural 99%	98-01-1	92	3	ASTM F739	4	++
Glutaraldehyde 50%	111-30-8	NT	NT		4	NA
Gun Flush ES mixture	NA	90	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	++
Hydrazine 98%	302-01-2	480	6	ASTM F739	4	++
Hydrochloric acid 10%	7647-01-0	480	6	ASTM F739	4	++
Hydrochloric acid 35%	7647-01-0	NT	NT		4	NA

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Hydrochloric acid 37%	7647-01-0	480	6	ASTM F739	4	++
Iodomethane (Methyl Iodide) 99%	74-88-4	5	0	ASTM F739	1	-
Isoamyl Acetate (Isopentylacetate) 98%	123-92-2	36	2	ASTM F739	2	=
Isobutyl alcohol 99%	78-83-1	480	6	ASTM F739	4	++
Kerosene mixture	8008-20-6	NT	NT		4	NA
m-Cresol 97%	108-39-4	480	6	ASTM F739	4	++
Methanol 85%	67-56-1	NT	NT		4	NA
Methanol 99%	67-56-1	180	4	ASTM F739	4	++
Methyl Amyl Ketone 98%	110-43-0	21	1	ASTM F739	1	-
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	12	1	ASTM F739	1	-
Methylisobutylketone 99%	108-10-1	23	1	ASTM F739	1	-
Motor Oil mixture	NA	NT	NT		4	NA
n-Heptane 99%	142-82-5	145	4	ASTM F739	4	++
n-hexane 95%	110-54-3	107	3	ASTM F739	4	++
N-methyl-2-Pyrrolidone 99%	872-50-4	47	2	ASTM F739	1	-
N-N dimethyl acetamide 99%	127-19-5	41	2	ASTM F739	1	-
Naphtha Heavy mixture	68551-17-7	480	6	ASTM F739	4	++
Naphtha VM&P mixture	8032-32-4	54	2	ASTM F739	1	-
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 68%	7697-37-2	480	6	EN 374-3:2003	NT	NA
Nitric acid 90%	7697-37-2	8	0	ASTM F739	1	-
Nitrobenzene 99%	98-95-3	39	2	ASTM F739	1	-

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p-dioxane (1,4-Dioxane) 99%	123-91-1	34	2	ASTM F739	1	-
Pentane 99%	109-66-0	52	2	ASTM F739	1	-
Phenol 85%	108-95-2	NT	NT		4	NA
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	16	1	ASTM F739	1	-
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	++
Sulfuric acid 96%	7664-93-9	168	4	ASTM F739	1	-
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	14	1	ASTM F739	1	-
Thermaclean 095-0048 mixture	NA	15	1	ASTM F739	NT	NA
Toluene 99%	108-88-3	10	1	ASTM F739	1	-
Toluene Diisocyanate (TDI) 80%	584-84-9	NT	NT		3	NA
Trichloroethylene 99%	79-01-6	7	0	ASTM F739	1	-
Triethanolamine 98%	102-71-6	480	6	ASTM F739	4	++
Triethylamine 99%	121-44-8	47	2	ASTM F739	1	-
Turpentine mixture	8006-64-2	234	4	ASTM F739	4	++
Unisolve EX mixture	NA	110	3	ASTM F739	NT	NA
Unleaded gasoline mixture	8006-61-9	23	1	ASTM F739	1	-
Vinyl acetate 99%	108-05-4	17	1	ASTM F739	3	=
Xylene 99%	1330-20-7	12	1	ASTM F739	1	-

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