



## Ultranitril 381

Chemical Product	CAS #	Breakthrough time (minutes)	Permeation level	Standard	Degradation level	Rating
1,1,1-Trichloroethane 99%	71-55-6	68	3	ASTM F739	1	-
1,1,1-Trichloroethane 99%	71-55-6	21	1	EN 374-3:2003	1	-
1,1,2-Trichlorotrifluoroethane (Freon TF or Freon 113) 99%	76-13-1	480	6	ASTM F739	4	++
1,2 - dichloroethane 99%	107-06-2	3	0	ASTM F739	NT	NA
2-Butoxyethanol (Butyl Cellusolve) 99%	111-76-2	372	5	ASTM F739	4	++
2-Ethoxyethyl acetate (Cellosolve Acetate) 99%	111-15-9	67	3	ASTM F739	2	+
2-Propanol (Isopropanol) 99%	67-63-0	480	6	ASTM F739	4	++
Acetaldehyde 99%	75-07-0	3	0	ASTM F739	NT	NA
Acetic acid 60%	64-19-7	480	6	EN 16523-1:2015	NT	NA
Acetic acid 99%	64-19-7	91	3	ASTM F739	2	+
Acetic acid 99%	64-19-7	51	2	EN 16523-1:2015	2	=
Acetone 99%	67-64-1	3	0	ASTM F739	1	-
Acetone 99%	67-64-1	3	0	EN 16523-1:2015	1	-
Acetonitrile 99%	75-05-8	10	0	EN 374-3:2003	NT	NA
Acetyl Chloride 98%	75-36-5	1	0	ASTM F739	NT	NA
Acrylic acid 99%	79-10-7	55	2	EN 16523-1:2015	NT	NA
Ammonium hydroxide solution 25%	1336-21-6	217	4	EN 16523-1:2015	4	++
Ammonium hydroxide solution 29%	1336-21-6	435	5	ASTM F739	4	++
Aniline 99%	62-53-3	89	3	ASTM F739	1	-
Benzene 99%	71-43-2	6	0	ASTM F739	2	-
Bromobenzene 99%	108-86-1	11	1	EN 374-3:2003	NT	NA
Butyl Acetate 99%	123-86-4	31	2	ASTM F739	2	=
Butyl Acetate 99%	123-86-4	20	1	EN 374-3:2003	2	=
Carbon disulfide 99%	75-15-0	4	0	ASTM F739	NT	NA
Carbon Tetrachloride 99%	56-23-5	114	3	ASTM F739	4	++

\*not normalized result

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Chromic Acid 50%	7738-94-5	250	5	ASTM F739	4	++
Cumene 98%	98-82-8	166	4	ASTM F739	3	++
Cyclohexane 99%	110-82-7	480	6	ASTM F739	4	++
Cyclohexane 99%	110-82-7	480	6	EN 374-3:2003	4	++
Dichloromethane (Methylene Chloride) 99%	75-09-2	1	0	ASTM F739	NT	NA
Diethanolamine 97%	111-42-2	480	6	ASTM F739	4	++
Dimethylformamide 99%	68-12-2	6	0	EN 374-3:2003	1	-
Dimethylsulfoxide 99%	67-68-5	157	4	ASTM F739	3	++
Ethanol 95%	64-17-5	288	5	ASTM F739	4	++
Ethanol 95%	64-17-5	218	4	ASTM F739	4	++
Ether (Diethyl Ether) 99%	60-29-7	41	2	ASTM F739	4	+
Ethyl acetate 99%	141-78-6	11	0	EN 16523-1:2015	1	-
Ethyl benzene 99%	100-41-4	28	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	++
Formaldehyde 37%	50-00-0	480	6	EN 16523-1:2015	4	++
Formic Acid 96%	64-18-6	28	1	EN 16523-1:2015	NT	NA
Fuel oils mixture	68476-34-6	480	6	EN 374-3:2003	3	++
Furfural 99%	98-01-1	34	2	ASTM F739	1	-
Hexamethylene Diisocyanate (1,6 - Diisocyanatohexane) 98%	822-06-0	2	0	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	ASTM F739	4	++
Hydrochloric acid 10%	7647-01-0	480	6	EN 374-3:2003	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	++
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	309	5	ASTM F739	1	-
Methanol 99%	67-56-1	72	3	ASTM F739	3	++
Methanol 99%	67-56-1	43	2	EN 16523-1:2015	3	+
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	3	0	ASTM F739	1	-
Methylisobutylketone 99%	108-10-1	25	1	ASTM F739	2	=
n-Heptane 99%	142-82-5	480	6	ASTM F739	4	++
n-Heptane 99%	142-82-5	480	6	EN 16523-1:2015	4	++
n-hexane 95%	110-54-3	480	6	ASTM F739	4	++
N-N dimethyl acetamide 99%	127-19-5	15	1	ASTM F739	2	=
Naphtha mixture	8030-30-6	480	6	ASTM F739	4	++
Naphtha VM&P mixture	8032-32-4	480	6	ASTM F739	4	++
Naphtha, Hydrotreated Heavy mixture	64742-48-9	480	6	EN 374-3:2003	4	++
Nitric acid 50%	7697-37-2	344	5	ASTM F739	4	++
Nitric acid 65%	7697-37-2	42	2	EN 16523-1:2015	3	+
Nitrobenzene 99%	98-95-3	42	2	ASTM F739	1	-
Phenol 85%	108-95-2	191	4	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	++
Phosphorous Trichloride 98%	7719-12-2	16	1	ASTM F739	1	-
Potassium Fluoride 40%	7789-23-3	480	6	ASTM F739	4	++
Potassium Hydroxide 50%	1310-58-3	480	6	ASTM F739	4	++

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Propylene Oxide 99%	75-56-9	2	0	ASTM F739	NT	NA
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	++
Spent Acid mixture	NA	480	6	ASTM F739	NT	NA
Styrene 99%	100-42-5	7	0	ASTM F739	1	-
Styrene 99%	100-42-5	10	1	EN 16523-1:2015	1	-
Sulfuric acid 10%	7664-93-9	480	6	ASTM F739	4	++
Sulfuric acid 10%	7664-93-9	480	6	EN 374-3:2003	4	++
Sulfuric acid 40%	7664-93-9	480	6	ASTM F739	3	++
Sulfuric acid 40%	7664-93-9	480	6	EN 374-3:2003	3	++
Sulfuric acid 50%	7664-93-9	480	6	ASTM F739	4	++
Sulfuric acid 96%	7664-93-9	104	3	EN 16523-1:2015	1	-
t-Butyl Methyl Ether 98%	1634-04-4	452	5	ASTM F739	4	++
tert-Butyl Hydroperoxide 70%	75-91-2	208	4	ASTM F739	4	++
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	183	4	ASTM F739	3	++
Toluene 99%	108-88-3	15	1	ASTM F739	2	=
Toluene 99%	108-88-3	13	1	EN 16523-1:2015	2	=
Trichloroethylene 99%	79-01-6	4	0	EN 374-3:2003	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	453	5	ASTM F739	4	++
Unleaded gasoline mixture	8006-61-9	52	2	EN 374-3:2003	4	+

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Xylene 99%	1330-20-7	42	2	ASTM F739	2	=
Xylene 99%	1330-20-7	22	1	EN 374-3:2003	2	=

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