

# Kemikaalisuojaopas;

PERMEATION BREAKTHROUGH TIMES  
ACCORDING TO EN374-3:2003

Oikean kemikaalisuojan valitseminen on tärkeää sekä myös vaikeaa, kun kyse on käsineistä. Taulukko antaa suosituksen mikä materiaali ja mikä käsine antaa parhaan suojan erilaisia kemikaaleja vastaan. Joka vuosi tulee paljon uusia kemikaaleja. Jos oikean kemikaalisuojan valinnasta on epävarmuutta, on aina parempi olla meihin yhteydessä.

< 10 MINUTES
10 - 60 MINUTES
60 - 240 MINUTES
240 > 480 MINUTES

CHEMICAL DESIGNATION			PRODUCT DESIGNATION					
CHEMICAL NAME	CAS	CONC%	87-955 Latex	37-675, 58-330, 58-530, 58-535, Nitrile	37-900 Nitrile	87-900 Neoprene/ latex	15-554 Polyvinyl alcohol	02-100 HPPE
1-Butylacetat	123-86-4	100	<10	10-30	30-60	10-30	>480	>480
1-Methoxy-2-propanol	107-98-2	100	10-30	120-240	240-480	10-30	>480	>480
1-Methoxy-2-propylacetate	108-65-6	100	<10	120-240	120-240	<10	>480	>480
2-Amino-ethanol	141-43-5	100	>408	>480	>480	>480	240-480	>480
2-Butoxyethanol	111-76-2	100	10-30	240-480	240-480	30-60	120-240	>480
2-Propanol	67-63-0	100	60-120	>480	>480	120-240	60-120	>480
4-Methyl-pentan-2-on	108-10-1	100	10-30	10-30	30-60	<10	60-120	>480
Acetic acid, glacial	64-19-7	100	30-60	30-60	120-240	120-240	<10	120-240
Aceton	67-64-1	100	10-30	<10	10-30	<10	60-120	>480
Acetonitrile	75-05-8	100	10-30	<10	10-30	10-30	60-120	>480
Acrylic acid	79-10-7	100	60-120	10-30	30-60	60-120	<10	>480
Acrylonitrile	107-13-1	100	10-30	<10	<10	<10	>480	>480
Allylcohol	107-18-6	100	10-30	30-60	30-60	10-30	<10	>480
Ammonium hydroxide	1336-21-6	25	10-30	>480	240-480	10-30	<10	10-30
Benzene	71-43-2	100	<10	<10	10-30	<10	>480	>480
Benzoyl chloride	98-88-4	100	<10	<10	10-30	<10	>480	>480
Bisphenol a	80-05-7	100	>480	240-480	>480	>480	240-480	>480
Carbon disulfide	75-15-0	100	<10	10-30	10-30	<10	>480	>480
Carbon tetrachloride	56-23-5	100	<10	240-480	240-480	<10	>480	240-480
Chloroform	67-66-3	100	<10	<10	<10	<10	>480	30-60
Coal tar	8007-45-2	100	30-60	>480	>480	30-60	>480	>480
Crude oil	68308-34-9	100	10-30	>480	>480	<10	>480	>480
Cyclohexanol	108-93-0	100	<10	>480	>480	10-30	>480	>480
Cyclohexanon	108-94-1	100	10-30	30-60	60-120	30-60	>480	>480
Dibutylphthalate	84-74-2	100	10-30	>480	>480	10-30	>480	>480
Dichloromethane	75-09-2	100	<10	<10	<10	<10	>480	30-60
Diesel ls	68334-30-5	100	<10	>480	>480	30-60	>480	>480
Diethylamine	109-89-7	100	<10	10-30	10-30	<10	10-30	>480
Diethylenediamine	110-85-0	100	>480	>480	>480	>480	>480	>480
Dimethylsulfoxide (dms0)	67-68-5	100	240-480	60-120	240-480	>480	<10	>480
Dimethylformamide (dmfa)	68-12-2	100	60-120	<10	10-30	30-60	10-30	>480
Distillate (petroleum), hydrotreated light	64742-47-8	100	10-30	>480	>480	10-30	>480	>480
Ethandiol	107-21-1	100	>480	>480	>480	>480	120-240	>480
Ethanol	64-17-5	100	10-30	240-480	>480	10-30	<10	>480
Ethyl acetate	141-78-6	100	10-30	10-30	10-30	<10	>480	>480
Ethyl glycol	110-80-5	100	10-30	120-240	120-240	10-30	60-120	>480
Ethyl glycol ethyl ether acetate	111-15-9	100	10-30	60-120	60-120	10-30	>480	>480
Ethylamine	75-04-7	100	<10	60-120	60-120	10-30	240-480	>480
Formaldehyde	50-00-0	35	>480	>480	>480	>480	<10	>480
Formic acid	64-18-6	98	30-60	10-30	30-60	60-120	<10	>480
Freon tf	76-13-1	100	<10	>480	>480	<10	240-480	>480
Gamma-butyrolactone	96-48-0	100	>480	<10	10-30	240-480	120-240	>480
Gasoline	8006-61-9	100	<10	120-240	240-480	<10	>480	>480
Glutaral	111-30-8	50	>480	>480	>480	>480	<10	>480

CHEMICAL DESIGNATION			PRODUCT DESIGNATION					
CHEMICAL NAME	CAS	CONC%	87-955 Latex	37-675, 58-330, 58-530, 58-535, Nitrile	37-900 Nitrile	87-900 Neoprene/ latex	15-554 Polyvinyl alcohol	02-100 HPPE
Heptane	142-82-5	100	<10	>480	>480	<10	>480	>480
Hexamethyldisilazane	999-97-3	100	30-60	>480	>480	60-120	>480	>480
Hydrochloric acid	7647-01-0	37	>480	>480	>480	>480	<10	>480
Hydrogen fluoride	7664-39-3	48	>480	120-240	120-240	>480	<10	>480
Hydrogen fluoride, anhydrous	7664-39-3	100	<10	<10	<10	<10	<10	120-240
Hydrogen peroxide	7722-84-1	30	>480	>480	>480	>480	<10	>480
Isooctane	540-84-1	100	30-60	>480	>480	30-60	>480	>480
Isophorone	78-59-1	100	10-30	120-240	240-480	10-30	>480	>480
Kerosene	64742-81-0	100	10-30	>480	>480	10-30	>480	>480
Maleic acid	110-16-7	100	>480	>480	>480	>480	<10	>480
Methanol	67-56-1	100	30-60	10-30	120-240	30-60	<10	>480
Methyl acrylate	96-33-3	100	<10	<10	10-30	<10	>480	>480
Methyl ethyl ketone (mek)	78-93-3	100	<10	<10	10-30	<10	30-60	>480
Methyl methacrylate	80-62-6	100	<10	10-30	10-30	<10	240-480	>480
Methyl tert-butyl ether	1634-04-4	100	<10	>480	>480	<10	>480	>480
Methylamine	74-89-5	40	<10	>480	>480	10-30	<10	>480
Mineral oil	8012-95-1	100	10-30	>480	>480	10-30	>480	>480
N-butanol	71-36-3	100	60-120	>480	>480	120-240	60-120	>480
N-hexan	110-54-3	100	<10	>480	>480	<10	>480	>480
N-methyl-2-pyrrolidone	872-50-4	100	30-60	10-30	10-30	10-30	<10	>480
N-propanol	71-23-8	100	120-240	>480	>480	120-240	60-120	>480
N-propyl acetate	109-60-4	100	<10	10-30	30-60	<10	>480	>480
N-undecane	1120-21-4	100	10-30	>480	>480	30-60	>480	>480
Naphtha	8030-30-6	100	<10	60-120	>480	10-30	>480	>480
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	100	10-30	>480	>480	10-30	>480	>480
Naphtha (petroleum), hydrotreated light	64742-49-0	100	10-30	>480	>480	10-30	>480	>480
Nitric acid, fuming	7697-37-2	70	240-480	30-60	30-60	120-240	<10	>480
Nitrobenzene	98-95-3	100	<10	60-120	60-120	<10	>480	>480
Octyl alcohol	111-87-5	100	>480	>480	>480	>480	240-480	>480
Oxalic acid	144-62-7	100	>480	>480	>480	>480	>480	>480
Peracetic acid	79-21-0	39	60-120	30-60	60-120	60-120	<10	>480
Phenol	108-95-2	100	240-480	60-120	60-120	120-240	>480	>480
Phenyl chloride	108-90-7	100	<10	<10	10-30	<10	>480	>480
Phosphoric acid	7664-38-2	100	>480	>480	>480	>480	<10	>480
Propionitrile	107-12-0	100	<10	<10	10-30	<10	>480	>480
Propylene glycol	57-55-6	100	>480	>480	>480	>480	>480	>480
Pyridine	110-86-1	100	<10	10-30	10-30	<10	<10	>480
Sodium hydroxide	1310-73-2	50	>480	>480	>480	>480	<10	>480
Stoddard solvent	8052-41-3	100	<10	>480	>480	10-30	>480	>480
Styrene	100-42-5	100	<10	10-30	10-30	<10	>480	>480
Sulphuric acid	7664-93-9	96	240-480	60-120	60-120	120-240	<10	>480
Tetrachloroethylene	127-18-4	100	10-30	120-240	240-480	10-30	>480	>480
Tetrahydrofuran	109-99-9	100	<10	<10	10-30	<10	30-60	>480
Tetrahydrothiophen	110-01-0	100	<10	10-30	10-30	10-30	>480	>480
Thionylchloride	7719-09-7	100	<10	<10	<10	<10	120-240	120-240
Toluene	108-88-3	100	<10	10-30	30-60	<10	>480	>480
Trichloroethylene	79-01-6	100	<10	10-30	10-30	<10	>480	>480
Tricresyl phosphate, isomeric mixture	1330-78-5	100	>480	>480	>480	>480	>480	>480
Triethanolamine	102-71-6	100	>480	>480	>480	240-480	240-480	>480
Triethylamine	121-44-8	100	10-30	>480	>480	<10	>480	>480
White spirit	64742-88-7	100	10-30	>480	>480	10-30	>480	>480
Xylene, isomeric mixture	1330-20-7	100	<10	30-60	60-120	<10	>480	>480