

TK554T LY

DuPont™ Tychem® TK



Chemical Resistance Data

Testing Details  [DuPont Permeation Guide](#)

Tychem® TK - Fabric Data

Hazard / Chemical Name	CAS Number	Phase	Breakthrough Time (average, normalized to 0.1 ug/cm ² /min) / Performance
1,1,2,2-Tetrachloroethylene	127-18-4	Liquid	>480
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	Vapor	>480

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Hazard / Chemical Name	CAS Number	Phase	Breakthrough Time
			(average, normalized to 0.1 ug/cm ² /min) / Performance
1,3-Butadiene (gas)	106-99-0	Vapor	>480
1,3-Butadiene (liquid, 0° C)	106-99-0	Liquid	>180
1,5-Pentanedial (5% in water)	111-30-8	Liquid	>480
1,5-Pentanedial (50%)	111-30-8	Liquid	>480
1-Aminobutane	109-73-9	Liquid	>480
2-Propyn-1-ol	107-19-7	Liquid	>480
Acetaldehyde	75-07-0	Liquid	>480
Acetic acid	64-19-7	Liquid	>480
Acetic anhydride	108-24-7	Liquid	>480
Acetone	67-64-1	Liquid	>480
Acetone cyanohydrin	75-86-5	Liquid	>480
Acetonitrile	75-05-8	Liquid	>480
Acetyl chloride	75-36-5	Liquid	>480
Acrolein	107-02-8	Liquid	>480
Acrylamide (50% in water)	79-06-1	Liquid	>480
Acrylic acid	79-10-7	Liquid	>480
Acrylonitrile	107-13-1	Liquid	>480
Acrylonitrile (10 g/m ²)	107-13-1	Liquid	>480
Adiponitrile	111-69-3	Liquid	>480
Allyl alcohol	107-18-6	Liquid	>480
Allyl chloride	107-05-1	Liquid	>480
Aminobutane, 1-	109-73-9	Liquid	>480
Aminoethylethanolamine	111-41-1	Liquid	>480
Aminoethylethanolamine (60%)	111-41-1	Liquid	>480
Aminoethylpiperazine	140-31-8	Liquid	>480
Ammonia (gas)	7664-41-7	Vapor	>480
Ammonia (liquid, < -35°C)	7664-41-7	Liquid	>480

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Ammonium fluoride (40%)	12125-01-8	Liquid	>480
Ammonium hydroxide (28%-30%)	1336-21-6	Liquid	>480
Amyl acetate, n-	628-63-7	Liquid	>480
Anhydrous ammonia (gas)	7664-41-7	Vapor	>480
Anhydrous ammonia (liquid, < -35°C)	7664-41-7	Liquid	>480
Aniline	62-53-3	Liquid	>480
Arsine	7784-42-1	Vapor	>480
Asbestos (all forms)	1332-21-4	Solid	May be Suitable for Use
Benzene	71-43-2	Liquid	>480
Benzene sulfonyl chloride	98-09-9	Liquid	>480
Benzidine (25% in methanol)	92-87-5	Liquid	>480
Benzidine (75% in methanol)	92-87-5	Liquid	>480
Benzonitrile	100-47-0	Liquid	>480
Benzoyl chloride	98-88-4	Liquid	>480
Benzyl chloride	100-44-7	Liquid	>480
Beryllium	7440-41-7	Solid	May be Suitable for Use
Biological fluids w/ potentially infectious diseases	unknown	Liquid	May be Suitable for Use
Bisphenol-A diglycidyl ether	1675-54-3	Liquid	>480
Black liquor	308074-23-9	Liquid	>480
Blood	unknown	Liquid	May be Suitable for Use
Blood w/ potentially infectious diseases	unknown	Liquid	May be Suitable for Use
Bodily fluids	unknown	Liquid	May be Suitable for Use
Bodily fluids w/ potentially infectious diseases	unknown	Liquid	May be Suitable for Use
Boron trichloride	10294-34-5	Vapor	>480
Boron trifluoride	7637-07-2	Vapor	>480
Boron trifluoride etherate	109-63-7	Liquid	>480
Bromine	7726-95-6	Liquid	15

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			(average, normalized to 0.1 ug/cm ² /min) / Performance
Bromine (10 g/m ²)	7726-95-6	Liquid	>480
Bromine (sat. vapor)	7726-95-6	Vapor	40
Bromofluorobenzene, 4-	460-00-4	Liquid	>480
Butadiene, 1,3- (gas)	106-99-0	Vapor	>480
Butadiene, 1,3- (liquid, 0° C)	106-99-0	Liquid	>180
Butan-1-amine	109-73-9	Liquid	>480
Butanol, n-	71-36-3	Liquid	>480
Butyl acetate, n-	123-86-4	Liquid	>480
Butyl acrylate, n-	141-32-2	Liquid	>480
Butyl ether, n-	142-96-1	Liquid	>480
Butylamine, n-	109-73-9	Liquid	>480
Butyraldehyde, n-	123-72-8	Liquid	>480
CK (Cyanogen chloride)	506-77-4	Vapor	>60
Carbon disulfide	75-15-0	Liquid	>480
Carbon monoxide	630-08-0	Vapor	330
Carbon tetrachloride	56-23-5	Liquid	>480
Caustic potash (45%)	1310-58-3	Liquid	>480
Caustic soda (42-50%)	1310-73-2	Liquid	>480
Chlordane	57-74-9	Liquid	>480
Chlorine (gas)	7782-50-5	Vapor	>480
Chlorine (liquid, -70° C)	7782-50-5	Liquid	>480
Chlorine dioxide (1000 ppm)	10049-04-4	Vapor	>480
Chlorine dioxide (150 ppm)	10049-04-4	Vapor	>480
Chlorine sulfide	10545-99-0	Liquid	440
Chlorine sulfide (80%)	10545-99-0	Liquid	>480
Chlorine trifluoride	7790-91-2	Vapor	45
Chloro-1,2-propanediol, 3-	96-24-2	Liquid	>480

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Chloroacetic acid	79-11-8	Liquid	>480
Chloroacetic acid (70%-80%)	79-11-8	Liquid	>480
Chloroacetyl chloride	79-04-9	Liquid	160
Chloroaniline, 4-	106-47-8	Solid	>480
Chloroaniline, 4- (70° C)	106-47-8	Liquid	344
Chloroaniline, p-	106-47-8	Solid	>480
Chloroaniline, p- (70° C)	106-47-8	Liquid	344
Chlorobenzene	108-90-7	Liquid	>480
Chloroethanol, 2-	107-07-3	Liquid	>480
Chloroform	67-66-3	Liquid	>480
Chloromethyl methyl ether	107-30-2	Liquid	>480
Chlorophenol, 4- (sat. sol. in methanol)	106-48-9	Liquid	>480
Chlorosulfonic acid	7790-94-5	Liquid	>480
Chlorotoluene, o-	95-49-8	Liquid	>480
Cresol, mixed isomers	1319-77-3	Liquid	>480
Crude oil	8002-05-9	Liquid	>480
Cumene	98-82-8	Liquid	>480
Cyanogen chloride	506-77-4	Vapor	>60
Cyanuric chloride (20%, Toluene 80%)	108-77-0	Liquid	>480
Cyclohexane	110-82-7	Liquid	>480
Cyclohexanone	108-94-1	Liquid	>480
Diborane (10%)	19287-45-7	Vapor	>480
Dichloro-6-isopropyl-S-triazine, 2,4- (22% in toluene)	30894-74-7	Liquid	>480
Dichloroacetone (40° C)	534-07-6	Liquid	>480
Dichloroacetyl chloride	79-36-7	Liquid	>480
Dichloroaniline, 3,4- (liquid, 70° C)	95-76-1	Liquid	284

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			(average, normalized to 0.1 ug/cm ² /min) / Performance
Dichloroaniline, 3,4- (solid)	95-76-1	Solid	>480
Dichloroethyl ether	111-44-4	Liquid	>480
Dichloromethane	75-09-2	Liquid	>480
Dichloropropene,2,3-	78-88-6	Liquid	>480
Dichlorosilane	4109-96-0	Vapor	>480
Diesel fuel	68334-30-5	Liquid	>480
Diethyl sulfate	64-67-5	Liquid	>480
Diethylamine	109-89-7	Liquid	>480
Diethylaniline	91-66-7	Liquid	>480
Diethylenetriamine	111-40-0	Liquid	>480
Diethylhexyl phthalate	117-81-7	Liquid	>480
Diiodo-1,1,2,2-tetrafluorobutane, 1,4-	755-95-3	Liquid	>480
Dimethyl ether	115-10-6	Vapor	>480
Dimethyl sulfate	77-78-1	Liquid	>480
Dimethyl sulfoxide	67-68-5	Liquid	>480
Dimethyl-acetamide, N,N-	127-19-5	Liquid	>480
Dimethylamine	124-40-3	Vapor	>480
Dimethylaniline, N,N-	121-69-7	Liquid	>480
Dimethyldichlorosilane	75-78-5	Liquid	>480
Dimethylene oxide (gas)	75-21-8	Vapor	>480
Dimethylene oxide (liquid, -70° C)	75-21-8	Liquid	>180
Dimethylene oxide (liquid, 0° C)	75-21-8	Liquid	>480
Dimethylformamide, N,N-	68-12-2	Liquid	>480
Dimethylhydrazine, 1,1-	57-14-7	Liquid	>480*
Dinitroresol (sat. sol. in methanol)	534-52-1	Liquid	>480
Dioxane, 1,4-	123-91-1	Liquid	>480
Diphenylmethane Diisocyanate 4,4-	101-68-8	Solid	>480

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Dirt (general)	unknown	Solid	May be Suitable for Use
Disodium sulfide (60% w/w in water slurry)	1313-82-2	Liquid	>480
Disulfur dichloride	10025-67-9	Liquid	>480
Epichlorohydrin	106-89-8	Liquid	>480
Epoxyethane (gas)	75-21-8	Vapor	>480
Epoxyethane (liquid, -70° C)	75-21-8	Liquid	>180
Epoxyethane (liquid, 0° C)	75-21-8	Liquid	>480
Ethanethiol	75-08-1	Liquid	>480
Ethanolamine	141-43-5	Liquid	>480
Ethyl Cellosolve®	110-80-5	Liquid	>480
Ethyl Cellosolve® acetate	111-15-9	Liquid	>480
Ethyl Mercaptan	75-08-1	Liquid	>480
Ethyl acetate	141-78-6	Liquid	>480
Ethyl acrylate	140-88-5	Liquid	>480
Ethyl benzene	100-41-4	Liquid	>480
Ethyl chloride	75-00-3	Liquid	>480
Ethyl ether	60-29-7	Liquid	>480
Ethyl parathion	56-38-2	Liquid	>480
Ethylamine (15° C)	75-04-7	Liquid	>480
Ethylene dibromide	106-93-4	Liquid	>480
Ethylene dichloride	107-06-2	Liquid	>480
Ethylene glycol	107-21-1	Liquid	>480
Ethylene oxide (gas)	75-21-8	Vapor	>480
Ethylene oxide (liquid, -70° C)	75-21-8	Liquid	>180
Ethylene oxide (liquid, 0° C)	75-21-8	Liquid	>480
Ethylene oxide mixture (10% in HCFC 124)	mixture	Vapor	>480
Ethylenediamine	107-15-3	Liquid	>480

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Ethyleneimine	151-56-4	Liquid	>480
Feces (solid)	unknown	Solid	May be Suitable for Use
Fertilizer (general; solid form)	unknown	Solid	May be Suitable for Use
Fiberglass	unknown	Solid	May be Suitable for Use
Fluorine	7782-41-4	Vapor	>480
Fluorobenzene	462-06-6	Liquid	>480
Fluorosilicic acid	16961-83-4	Liquid	>480
Fluorosulfonic acid	7789-21-1	Liquid	>480
Formaldehyde (100 ppm)	50-00-0	Vapor	>480
Formalin (37% Formaldehyde, 10-15% Methanol)	mixture	Liquid	>480
Formic acid	64-18-6	Liquid	>480
Fungicide (general; solid form)	unknown	Solid	May be Suitable for Use
Furfural	98-01-1	Liquid	>480
Gasoline	86290-81-5	Liquid	>480
Glutaric acid dialdehyde (5% in water)	111-30-8	Liquid	>480
Glutaric acid dialdehyde (50%)	111-30-8	Liquid	>480
Glutaric aldehyde (5% in water)	111-30-8	Liquid	>480
Glutaric aldehyde (50%)	111-30-8	Liquid	>480
Gluteraldehyde (5% in water)	111-30-8	Liquid	>480
Gluteraldehyde (50%)	111-30-8	Liquid	>480
Glycolic acid (sat. sol. in water)	79-14-1	Liquid	>480
Green liquor	68131-30-6	Liquid	>480
HCN (Hydrogen cyanide) (gas)	74-90-8	Vapor	>480
HCN (Hydrogen cyanide) (liquid, 21° C)	74-90-8	Liquid	>480
Hazardous Particles (larger than 0.3 micron in size)	unknown	Solid	May be Suitable for Use
Hazardous Particles (larger than 1 micron in size)	unknown	Solid	May be Suitable for Use

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Hazard / Chemical Name	CAS Number	Phase	Breakthrough Time
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Herbicide (general; solid form)	unknown	Solid	May be Suitable for Use
Hexachlorobutadiene	87-68-3	Liquid	>480
Hexafluoroethane	76-16-4	Vapor	>480
Hexafluoroisobutylene	382-10-5	Vapor	>480
Hexamethyldisilazane	999-97-3	Liquid	>480
Hexamethylene diisocyanate	822-06-0	Liquid	>480
Hexamethylenediamine, 1,6- (45° C)	124-09-4	Liquid	>480
Hexane, n-	110-54-3	Liquid	>480
Hexone	108-10-1	Liquid	>480
Hydrazine	302-01-2	Liquid	>480
Hydrazine hydrate (50%)	10217-52-4	Liquid	>480
Hydrazine hydrate (85%)	10217-52-4	Liquid	440
Hydriodic acid (55-57%)	10034-85-2	Liquid	>480
Hydrochloric acid (37%)	7647-01-0	Liquid	>480
Hydrocyanic acid (gas)	74-90-8	Vapor	>480
Hydrocyanic acid (liquid, 21° C)	74-90-8	Liquid	>480
Hydrofluoric acid (48-51%)	7664-39-3	Liquid	>480
Hydrofluoric acid (70%)	7664-39-3	Liquid	>480
Hydrofluoric acid (92% at 90° C)	7664-39-3	Liquid	67*
Hydrogen bromide (gas)	10035-10-6	Vapor	>480
Hydrogen chloride (gas)	7647-01-0	Vapor	>480
Hydrogen chloride (liquid, -90° C)	7647-01-0	Liquid	>180
Hydrogen cyanide (gas)	74-90-8	Vapor	>480
Hydrogen cyanide (liquid, 21° C)	74-90-8	Liquid	>480
Hydrogen fluoride (gas)	7664-39-3	Vapor	>480
Hydrogen fluoride (liquid, 0° C)	7664-39-3	Liquid	290
Hydrogen fluoride (liquid, 4° C)	7664-39-3	Liquid	290

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Hydrogen peroxide (30%)	7722-84-1	Liquid	>480
Hydrogen peroxide (70%)	7722-84-1	Liquid	>480
Hydrogen selenide	7783-07-5	Vapor	>480
Hydrogen sulfide	7783-06-4	Vapor	>480
IPA (Isopropyl alcohol)	67-63-0	Liquid	>480
Insecticide (general; solid form)	unknown	Solid	May be Suitable for Use
Isopropanol	67-63-0	Liquid	>480
Isopropyl alcohol	67-63-0	Liquid	>480
Isopropylamine	75-31-0	Liquid	>480
JP-4 jet fuel	50815-00-4	Liquid	>480
JP-8 jet fuel	94114-58-6	Liquid	>480
Jet A fuel	8008-20-6	Liquid	>480
KOH (Potassium hydroxide) (45%)	1310-58-3	Liquid	>480
Kerosene	8008-20-6	Liquid	>480
Lead	7439-92-1	Solid	May be Suitable for Use
Lewisite (10 g/m ²)	541-25-3	Liquid	>480
Lewisite (100 g/m ²)	541-25-3	Liquid	>480
Lime	mixture	Solid	May be Suitable for Use
Lindane (sat. sol. in acetone)	58-89-9	Liquid	>480
Lindane (sat. sol. in methanol)	58-89-9	Liquid	>480
Lye (42-50%)	1310-73-2	Liquid	>480
MEK (Methyl ethyl ketone)	78-93-3	Liquid	>480
MIBK (Methyl isobutyl ketone)	108-10-1	Liquid	>480
Malathion	121-75-5	Liquid	>480
Malathion (50% in methanol)	121-75-5	Liquid	>480
Mercaptoethanol	60-24-2	Liquid	>480
Mercuric chloride (sat. sol. in water)	7487-94-7	Liquid	>480*

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Mercury	7439-97-6	Liquid	>480
Methacrylic acid	79-41-4	Liquid	>480
Methane sulfonyl chloride	124-63-0	Liquid	>480
Methanol	67-56-1	Liquid	>480
Methomyl (29% in water)	16752-77-5	Liquid	>480
Methyl Cellosolve®	109-86-4	Liquid	>480
Methyl Cellosolve® acetate	110-49-6	Liquid	>480
Methyl acrylate	96-33-3	Liquid	>480
Methyl bromide	74-83-9	Vapor	>480
Methyl chloride (gas)	74-87-3	Vapor	>480
Methyl chloride (liquid, -70° C)	74-87-3	Liquid	>180
Methyl chloroformate	79-22-1	Liquid	>480
Methyl ethyl ketone	78-93-3	Liquid	>480
Methyl ethyl ketoxime	96-29-7	Liquid	>480
Methyl fluoride	593-53-3	Vapor	>480
Methyl hydrazine	60-34-4	Liquid	>480
Methyl iodide	74-88-4	Liquid	>480
Methyl isobutyl ketone	108-10-1	Liquid	>480
Methyl isocyanate	624-83-9	Liquid	>480
Methyl mercaptan	74-93-1	Vapor	>480
Methyl methacrylate	80-62-6	Liquid	>480
Methyl tert-butyl ether	1634-04-4	Liquid	>480
Methyl trichlorosilane	75-79-6	Liquid	>480
Methyl-2-pyrrolidone, N-	872-50-4	Liquid	>480
Methylamine	74-89-5	Vapor	>480
Methylamine (40% in water)	74-89-5	Liquid	261
Methylamine (50% in water)	74-89-5	Liquid	232

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Methylene bis (o-chloroaniline), 4,4'- (sat. sol. in methanol)	101-14-4	Liquid	>480
Methylene chloride	75-09-2	Liquid	>480
Methylene dianiline, 4,4'- (15% in MEK)	101-77-9	Liquid	>480
Methylene dianiline, 4,4'- (sat. sol. in methanol)	101-77-9	Liquid	>480
Methylene diphenyl isocyanate	101-68-8	Solid	>480
Mineral spirits	64475-85-0	Liquid	>480
Mold spores	unknown	Solid	May be Suitable for Use
Morpholine	110-91-8	Liquid	>480
Muriatic acid (37%)	7647-01-0	Liquid	>480
N,N-Dimethylformamide	68-12-2	Liquid	>480
N-Aminoethyl ethanolamine	111-41-1	Liquid	>480
N-Aminoethyl ethanolamine (60%)	111-41-1	Liquid	>480
NaOH (Sodium hydroxide) (42-50%)	1310-73-2	Liquid	>480
Nickel carbonyl	13463-39-3	Liquid	>480
Nicotine	54-11-5	Liquid	>480
Nitric acid (70%)	7697-37-2	Liquid	>480
Nitric acid (90%)	7697-37-2	Liquid	>480
Nitric acid, red fuming	52583-42-3	Liquid	>480
Nitric oxide	10102-43-9	Vapor	>480
Nitrobenzene	98-95-3	Liquid	>480
Nitrogen tetroxide (gas)	10544-72-6	Vapor	90
Nitrogen tetroxide (liquid, 0° C)	10544-72-6	Liquid	>480
Nitrogen tetroxide (liquid, 21° C)	10544-72-6	Liquid	450
Nitrogen trifluoride	7783-54-2	Vapor	>480
Nitromethane	75-52-5	Liquid	>480
Nitrophenol, o- (70° C)	88-75-5	Liquid	208

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Nitropropane, 2-	79-46-9	Liquid	>480
Nitrous oxide	10024-97-2	Vapor	>480
Non-Hazardous Particles (larger than 0.3 micron in size)	unknown	Solid	May be Suitable for Use
Non-Hazardous Particles (larger than 1 micron in size)	unknown	Solid	May be Suitable for Use
Norbornene-2-yl acetate, 5-	6143-29-9	Liquid	>480
Octane, n-	111-65-9	Liquid	>480
Oleum (103%)	8014-95-7	Liquid	>480
Oleum (40% free SO ₃)	8014-95-7	Liquid	>480
Oleum (65% free SO ₃)	8014-95-7	Liquid	>480
Oxalic acid (10.5%)	144-62-7	Liquid	>480
PCB (50% in trichlorobenzene)	mixture	Liquid	>480
Paraphenylene diisocyanate (PPDI) crude	104-49-4	Liquid	>480
Pentachlorophenol (sat. sol. in methanol)	87-86-5	Liquid	>480
Pentanedial, 1,5- (5% in water)	111-30-8	Liquid	>480
Pentanedial, 1,5- (50%)	111-30-8	Liquid	>480
Pentenenitrile, 3-	4635-87-4	Liquid	>480
Perchloric acid (70%)	7601-90-3	Liquid	>480
Pesticide (general; solid form)	unknown	Solid	May be Suitable for Use
Phenol (45° C)	108-95-2	Liquid	>480
Phenol (60° C)	108-95-2	Liquid	125
Phenol (85-90%)	108-95-2	Liquid	>480
Phenol (88% at 45° C)	108-95-2	Liquid	150
Phenyl mercaptan	108-98-5	Liquid	>480
Phosgene	75-44-5	Vapor	>480
Phosphine	7803-51-2	Vapor	>480
Phosphoric acid (85%)	7664-38-2	Liquid	>480

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Phosphorus oxychloride	10025-87-3	Liquid	>480
Phosphorus trichloride	7719-12-2	Liquid	>480
Picoline, 2-	109-06-8	Liquid	>480
Picoline, 3-	108-99-6	Liquid	>480
Polychlorinated biphenyl (50% in trichlorobenzene) mixture		Liquid	>480
Polymethylene polyphenyl-polyisocyanate	9016-87-9	Liquid	>480
Potash lye (45%)	1310-58-3	Liquid	>480
Potassium acetate (sat. sol. in water)	127-08-2	Liquid	>480*
Potassium chromate (sat. sol. in water)	7789-00-6	Liquid	>480*
Potassium hydroxide (45%)	1310-58-3	Liquid	>480
Propargyl alcohol	107-19-7	Liquid	>480
Propylene dichloride	78-87-5	Liquid	>480
Propylene imine	75-55-8	Liquid	150
Propylene oxide, 1,2-	75-56-9	Liquid	>480
Propyn-1-ol, 2-	107-19-7	Liquid	>480
Pyridine	110-86-1	Liquid	>480
Pyrrolidine	123-75-1	Liquid	413
Radioactive particles	unknown	Solid	May be Suitable for Use
Sarin (10 g/m ²)	107-44-8	Liquid	>480
Sarin (100 g/m ²)	107-44-8	Liquid	>480
Silane	7803-62-5	Vapor	>480
Silicon tetrachloride	10026-04-7	Liquid	>480
Sodium disulfite (38% w/w in water)	7681-57-4	Liquid	>480
Sodium hydroxide (42-50%)	1310-73-2	Liquid	>480
Sodium hypochlorite (15%)	7681-52-9	Liquid	>480
Sodium metabisulfite (38% w/w in water)	7681-57-4	Liquid	>480
Sodium methylate (50% in methanol)	124-41-4	Liquid	>480

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Hazard / Chemical Name	CAS Number	Phase	Breakthrough Time
			(average, normalized to 0.1 ug/cm ² /min) / Performance
Sodium pyrosulfite (38% w/w in water)	7681-57-4	Liquid	>480
Sodium sulfide (60% w/w in water slurry)	1313-82-2	Liquid	>480
Soman (10 g/m ²)	96-64-0	Liquid	>480
Soman (100 g/m ²)	96-64-0	Liquid	>480
Stoddard solvent	8052-41-3	Liquid	>480
Styrene	100-42-5	Liquid	>480
Sulfamic acid (15%)	5329-14-6	Liquid	>480
Sulfonyl chloride	7791-25-5	Liquid	>480
Sulfur chloride	10025-67-9	Liquid	>480
Sulfur dichloride	10545-99-0	Liquid	440
Sulfur dichloride (80%)	10545-99-0	Liquid	>480
Sulfur dioxide	7446-09-5	Vapor	>480
Sulfur hexafluoride	2551-62-4	Vapor	>480
Sulfur monochloride	10025-67-9	Liquid	>480
Sulfur mustard (10 g/m ²)	505-60-2	Liquid	>480
Sulfur mustard (100 g/m ²)	505-60-2	Liquid	>480
Sulfur trioxide	7446-11-9	Liquid	90
Sulfuric acid	7664-93-9	Liquid	>480
Tabun (10 g/m ²)	77-81-6	Liquid	>480
Tabun (100 g/m ²)	77-81-6	Liquid	>480
Tar balls	unknown	Solid	May be Suitable for Use
Tetrachloroethane, 1,1,2,2-	79-34-5	Liquid	>480
Tetrachloroethylene, 1,1,2,2-	127-18-4	Liquid	>480
Tetraethoxysilane	78-10-4	Liquid	>480
Tetraethyl lead	78-00-2	Liquid	>480
Tetraethylenepentamine	112-57-2	Liquid	>480
Tetrafluoromethane	75-73-0	Vapor	>480

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Hazard / Chemical Name	CAS Number	Phase	Breakthrough Time
			(average, normalized to 0.1 ug/cm ² /min) / Performance
Tetrahydrofuran	109-99-9	Liquid	>480
Tetramethylammonium hydroxide (25%)	75-59-2	Liquid	>480
Tetramethylethylene oxide	5076-20-0	Liquid	>480
Tetramethyltin (0.5% in n-pentane)	mixture	Liquid	>480
Thioglycolic acid	68-11-1	Liquid	>480
Thionyl chloride	7719-09-7	Liquid	90
Titanium tetrachloride	7550-45-0	Liquid	>480
Toluene	108-88-3	Liquid	>480
Toluene-1,3-diisocyanate	26471-62-5	Liquid	>480
Toluene-2,4-diisocyanate	584-84-9	Liquid	>480*
Toluidine, o-	95-53-4	Liquid	>480
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	Vapor	>480
Trichlorobenzene, 1,2,4-	120-82-1	Liquid	>480
Trichloroethane, 1,1,1-	71-55-6	Liquid	>480
Trichloroethane, 1,1,2-	79-00-5	Liquid	>480
Trichloroethanol, 2,2,2-	115-20-8	Liquid	>480
Trichloroethylene	79-01-6	Liquid	>480
Trichlorophenylsilane	98-13-5	Liquid	>480
Trichlorosilane	10025-78-2	Liquid	>480
Triethylamine	121-44-8	Liquid	>480
Triethylenetetramine (60%)	112-24-3	Liquid	>480
Trifluoroethanol, 2,2,2-	75-89-8	Liquid	>480
Trifluoromethane	75-46-7	Vapor	>480
Trifluoromethane sulfonic acid	1493-13-6	Liquid	>480
Trimethyl phosphate	512-56-1	Liquid	>480
Trimethyl phosphite	121-45-9	Liquid	>480
Trimethylamine (gas)	75-50-3	Vapor	>480

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			(average, normalized to 0.1 ug/cm ² /min) / Performance
Tripropylamine	102-69-2	Liquid	>480
Tungsten hexafluoride	7783-82-6	Liquid	>480
VM&P Naphtha	8030-30-6	Liquid	>480
VX Nerve agent (10 g/m ²)	50782-69-9	Liquid	>480
VX Nerve agent (100 g/m ²)	50782-69-9	Liquid	>480
Vinyl acetate	108-05-4	Liquid	>480
Vinyl chloride	75-01-4	Vapor	>480
Vinylidene chloride	75-35-4	Liquid	>480
Vinylmagnesium chloride (16.5%)	3536-96-7	Liquid	>480
White liquor	68131-33-9	Liquid	>480
Xylene, mixed isomers	1330-20-7	Liquid	>480
cis-2-Pentenenitrile (70%)	25899-50-7	Liquid	>480
d-Limonene	5989-27-5	Liquid	>480
m-Cresol 55%, p-Cresol 30%, Phenol 15%	mixture	Liquid	>480
n-Hexane	110-54-3	Liquid	>480
t-Sodium-amylate / t-amyl alcohol	mixture	Solid	120
tert-Butylamine	75-64-9	Liquid	>480
trans-Crotonaldehyde	123-73-9	Liquid	>480