

TECHNICAL DATA SHEET



PRODUCT INFORMATION

DuPont™ Tychem® 4000 S. Hooded coverall. Stitched and over-taped seams. Double cuffs. Thumb loops. Elastication at wrists, ankles, face and waist. Double zippers and double flaps with chin flap. White.

ATTRIBUTES

Full Part Number	SLCHZ5TWH00
Fabric/Materials	Tychem® 4000
Design	Hooded coverall, double cuffs, double zippers and double flaps
Seam	Stitched and over-taped
Color	White
Sizes	SM, MD, LG, XL, 2X, 3X
Quantity/Box	20 per box, individually packed.

FEATURES

- Certified according to Regulation (EU) 2016/425
- Chemical protective clothing, Category III, Type 3-B, 4-B, 5-B and 6-B
- EN 14126 (barrier to infective agents), EN 1073-2 (protection against radioactive contamination)
- Antistatic treatment (EN 1149-5) - on inside
- Stitched and over-taped seams with barrier tape for protection and strength
- Double cuffs for good glove compatibility

SIZETABLE

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
SM	D15193449	
MD	D15193451	
LG	D15193467	
XL	D15193473	
2X	D15193481	
3X	D15193494	

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Abrasion Resistance ⁷	EN 530 Method 2	>2000 cycles	6/6 ¹
Basis Weight	DIN EN ISO 536	124 g/m ²	N/A
Colour	N/A	White	N/A
Flex Cracking Resistance ⁷	EN ISO 7854 Method B	>1000 cycles	1/6 ¹
Flex Cracking Resistance at -30°C	EN ISO 7854 Method B	>1000 cycles	N/A
Puncture Resistance	EN 863	>10 N	2/6 ¹
Surface Resistance at RH 25%, inside ⁷	EN 1149-1	< 2,5 · 10 ⁹ Ohm	N/A
Surface Resistance at RH 25%, outside ⁷	EN 1149-1	No antistatic treatment	N/A
Tensile Strength (MD)	DIN EN ISO 13934-1	>100 N	3/6 ¹

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PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Tensile Strength (XD)	DIN EN ISO 13934-1	>100 N	3/6 ¹
Trapezoidal Tear Resistance (MD)	EN ISO 9073-4	>20 N	2/6 ¹
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>20 N	2/6 ¹

1 According to EN 14325 | 2 According to EN 14126 | 3 According to EN 1073-2 | 4 According to EN 14116 | 12 According to EN 11612 | 5 Front Tyvek® / Back |
6 Based on test according to ASTM D-572 | 7 See Instructions for Use for further information, limitations and warnings | > Larger than | < Smaller than |
N/A Not Applicable | STD DEV Standard Deviation |

GARMENT PERFORMANCE

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Nominal protection factor ⁷	EN 1073-2	>5	1/3 ³
Seam Strength	EN ISO 13935-2	>125 N	4/6 ¹
Shelf Life ⁷	N/A	5 years ⁶	N/A
Type 3: Resistance to Penetration by Liquids (Jet Test)	EN 17491-3	Pass ⁷	N/A
Type 4: Resistance to Penetration by Liquids (High Level Spray Test)	EN ISO 17491-4, Method B	Pass	N/A
Type 5: Inward Leakage of Airborne Solid Particulates	EN ISO 13982-2	Pass ⁷	N/A
Type 6: Resistance to Penetration by Liquids (Low Level Spray Test)	EN ISO 17491-4, Method A	Pass	N/A

1 According to EN 14325 | 3 According to EN 1073-2 | 12 According to EN 11612 | 13 According to EN 11611 | 5 Front Tyvek® / Back |
6 Based on test according to ASTM D-572 | 7 See Instructions for Use for further information, limitations and warnings |
11 Based on the average of 10 suits, 3 activities, 3 probes | > Larger than | < Smaller than | N/A Not Applicable | * Based on lowest single value |

COMFORT

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Air Permeability (Gurley method)	ISO 5636-5	No	N/A
Moisture Vapour Permeability	EN ISO 12752 Klima C	Impermeable	N/A

2 According to EN 14126 | 5 Front Tyvek® / Back | > Larger than | < Smaller than | N/A Not Applicable |

PENETRATION AND REPELLENCY

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Repellency to Liquids, o-Xylene	EN ISO 6530	>95 %	3/3 ¹
Repellency to Liquids, Butan-1-ol	EN ISO 6530	>95 %	3/3 ¹
Repellency to Liquids, Sodium Hydroxide (10%)	EN ISO 6530	>95 %	3/3 ¹
Repellency to Liquids, Sulphuric Acid (30%)	EN ISO 6530	>95 %	3/3 ¹
Resistance to Penetration by Liquids, Butan-1-ol	EN ISO 6530	<1 %	3/3 ¹
Resistance to Penetration by Liquids, Sodium Hydroxide (10%)	EN ISO 6530	<1 %	3/3 ¹
Resistance to Penetration by Liquids, Sulphuric Acid (30%)	EN ISO 6530	<1 %	3/3 ¹
Resistance to Penetration by Liquids, o-Xylene	EN ISO 6530	<1 %	3/3 ¹

1 According to EN 14325 | > Larger than | < Smaller than |

BIOLOGICAL BARRIER

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Resistance to Penetration by Biologically Contaminated Aerosols	ISO/DIS 22611	log ratio >5	3/3 ²
Resistance to Penetration by Blood and Body Fluids using Synthetic Blood	ISO 16603	20 kPa	6/6 ²
Resistance to Penetration by Blood-borne Pathogens using Bacteriophage Phi-X174	ISO 16604 Procedure C	20 kPa	6/6 ²

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PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Resistance to Penetration by Contaminated Liquids	EN ISO 22610	>75 min	6/6 ²
Resistance to Penetration by Contaminated Solid Particles	ISO 22612	log cfu <1	3/3 ²

1 According to EN 14325 | > Larger than | < Smaller than |

PERMEATION DATA DUPONT™ TYCHEM® 4000 S

HAZARD / CHEMICAL NAME	PHYSICAL STATE	CAS	BT ACT	BT 0.1	BT 1.0	EN	SSPR	MDPR	CUM 480	TIME 150	ISO
2-(2-Ethoxyethoxy) ethanol	Liquid	111-90-0	>480	>480	>480	6	<0.08	0.08	<38.4	>480	6
2-Methyl-4-isothiazolin-3-one (20%)	Liquid	2682-20-4	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Acetic acid (>95%)	Liquid	64-19-7	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Acetic acid 2 ethoxy ethyl ester	Liquid	111-15-9	67*/180	116*/238	>480	6	0.11	0.01	3.04	>480	6
Acetic acid 2 methoxy ethyl ester	Liquid	110-49-6	60	>480	>480	6	0.03	0.005	3.97	>480	6
Acetic acid ethenyl ester	Liquid	108-05-4	23	24	30	1	20.3	0.0139			
Acetic acid ethyl ester	Liquid	141-78-6	imm	imm	imm*/167		1.55	0.01			
Acetic anhydride	Liquid	108-24-7	imm*/23	12*/48	>480	6	na	0.006			
Acetic chloride	Liquid	75-36-5	23	39*/63	>480	6	0.146	0.006			
Acetone	Liquid	67-64-1	13	13	29*/258	1	0.9	0.01			
Acetonitrile	Liquid	75-05-8	56	60	>480	6	0.35	0.05			
Acetyl chloride	Liquid	75-36-5	23	39*/63	>480	6	0.146	0.006			
Acroleic acid	Liquid	79-10-7		>480	>480	6	<0.1	0.029			
Acrolein (90%)	Liquid	107-02-8		24	24	1	7.9	0.009			
Acrylamide (50%)	Liquid	79-06-1	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Acrylic acid	Liquid	79-10-7		>480	>480	6	<0.1	0.029			
Acrylic acid n-butyl ester	Liquid	141-32-2	>480	>480	>480	6	<0.05	0.05	>480	>480	6
Acrylicamide (50%)	Liquid	79-06-1	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Acrylonitrile	Liquid	107-13-1		36*/48	36*/48	2	3.2	0.0085			
Acryloyl Chloride	Liquid	814-68-6	imm	imm	imm		na	0.04	441/40 min	23	1
Allyl alcohol	Liquid	107-18-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Amino 3,4-dichlorobenzene, 1- (70 °C, molten)	Liquid	95-76-1	imm	imm	imm		17	0.001			
Amino benzene	Liquid	62-53-3	322	>480	>480	6	<0.025	0.005			
Amino diphenyl, 4- (1 mg /ml in Methanol)	Liquid	92-67-1	>480	>480	>480	6	<0.0273	0.0273	<13	>480	6
Amino ethylethanolamine	Liquid	111-41-1	imm	imm	>480	6	<0.3	0.005			
Amino ethylethanolamine (60%)	Liquid	111-41-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Amino ethylpiperazine	Liquid	140-31-8	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Amino pyridine, 2- (sat)	Liquid	504-29-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Ammonia (gaseous)	Vapor	7664-41-7	25	26	33	2	0.25	0.0024			
Ammonium hydroxide (2-3% in Household cleaner)	Liquid	1336-21-6		>480	>480	6	<0.1	0.0027			
Ammonium hydroxide (32%)	Liquid	1336-21-6	24	>480	>480	6	0.04	0.01	20	>480	6
Aniline	Liquid	62-53-3	322	>480	>480	6	<0.025	0.005			
Antimony pentachloride	Liquid	7647-18-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Benzenamine	Liquid	62-53-3	322	>480	>480	6	<0.025	0.005			

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HAZARD / CHEMICAL NAME	PHYSICAL STATE	CAS	BT ACT	BT 0.1	BT 1.0	EN	SSPR	MDPR	CUM 480	TIME 150	ISO
Benzene	Liquid	71-43-2	imm	imm	imm		>300	0.0126			
Benzisothiazol 1,2- (20%)	Liquid	2634-33-5	>480	>480	>480	6	<0.061	0.061	<30	>480	6
Benzyl alcohol	Liquid	100-51-6	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Bis (4-(2,3-epoxypropoxy) phenyl)propane (80%)	Liquid	1675-54-3	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Bis phenol A diglycidyl ether (80%)	Liquid	1675-54-3	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Black Liquor (mix)	Liquid	mix	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Bromo methane	Vapor	74-83-9		>480	>480	6	<0.1	0.0153			
Butadiene, 1,3- (gaseous)	Vapor	106-99-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Butanal, n-	Liquid	123-72-8	22	41	>480	6	0.16	0.004			
Butanol, 1-	Liquid	71-36-3	>480	>480	>480	6	<0.004	0.004	<1.9	>480	6
Butanol, n-	Liquid	71-36-3	>480	>480	>480	6	<0.004	0.004	<1.9	>480	6
Butanone	Liquid	78-93-3		18	18	1	145	0.0116			
Butanone oxime, 2-	Liquid	96-29-7	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Butenal, 2-	Liquid	123-73-9		34	34	2	14	0.0113			
Butoxy ethanol, 2-	Liquid	111-76-2	>480	>480	>480	6	<0.005	0.005	<2.4		
Butyl acrylate, n-	Liquid	141-32-2	>480	>480	>480	6	<0.05	0.05	>480	>480	6
Butyl alcohol, n-	Liquid	71-36-3	>480	>480	>480	6	<0.004	0.004	<1.9	>480	6
Butyraldehyde, n-	Liquid	123-72-8	22	41	>480	6	0.16	0.004			
Carbon disulfide	Liquid	75-15-0	imm	imm	imm		15.5	0.05			
Carburant n° 2	Liquid	68476-30-2	87*/109	>480	>480	6	<0.1	0.005			
Caustic ammonia (2-3% in Householdcleaner)	Liquid	1336-21-6		>480	>480	6	<0.1	0.0027			
Caustic ammonia (32%)	Liquid	1336-21-6	24	>480	>480	6	0.04	0.01	20	>480	6
Caustic soda (50%)	Liquid	1310-73-2	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Cellosolve acetate	Liquid	110-80-5	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Chemguard S-764P14A	Liquid	mix	>480	>480	>480	6	<0.01	0.01	<5	>480	6
Chemidize 727 ND (mix)	Liquid	mix	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Chlorine (gaseous)	Vapor	7782-50-5	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Chloro 1-methylbenzene, 2-	Liquid	95-49-8		13	13	1	102	0.0204			
Chloro 2,3-epoxy propane, 1-	Liquid	106-89-8	15	15	15	1	>248	0.01			
Chloro acetic acid (80%)	Liquid	79-11-8	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Chloro acetone (95%)	Liquid	78-95-5	360	258	258	5	0.557	0.0149			
Chloro acetyl chloride	Liquid	79-04-9	100	120	150	4	>3.7	0.01			
Chloro aniline, p- (70 °C, molten)	Liquid	106-47-8	imm	imm	imm		90	0.001			
Chloro benzenamine, 4- (70 °C, molten)	Liquid	106-47-8	imm	imm	imm		90	0.001			
Chloro ethene	Vapor	75-01-4	>480	>480	>480	6	<0.06	0.06	<28.8	>480	6
Chloro form	Liquid	67-66-3	imm	imm	imm						
Chloro propan-2-one, 1- (95%)	Liquid	78-95-5	360	258	258	5	0.557	0.0149			
Chloro toluene, o-	Liquid	95-49-8		13	13	1	102	0.0204			
Chlorsulfonic acid	Liquid	7790-94-5		>480	>480	6	<0.1	0.038			
Chromic acid (CrO3) (44.9%)	Liquid	1333-82-0	>480	>480	>480	6	<0.07	0.07	<33.6	>480	6
Cresol o-	Liquid	95-48-7		>480	>480	6	<0.1	0.0174			
Cresols, mixed isomers	Liquid	1319-77-3	100	100	90*/130	3	1.14	0.01			

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HAZARD / CHEMICAL NAME	PHYSICAL STATE	CAS	BT ACT	BT 0.1	BT 1.0	EN	SSPR	MDPR	CUM 480	TIME 150	ISO
Cresylic acid	Liquid	1319-77-3	100	100	90*/130	3	1.14	0.01			
Croton aldehyde	Liquid	123-73-9		34	34	2	14	0.0113			
Crude oil	Liquid	8002-05-9	162*/286	>480	>480	6	<0.075	0.04			
Crude oil, California	Liquid	8002-05-9	162*/286	>480	>480	6	<0.075	0.04			
Cyanoethylene	Liquid	107-13-1		36*/48	36*/48	2	3.2	0.0085			
Cyanomethane	Liquid	75-05-8	56	60	>480	6	0.35	0.05			
Cyclo hexanone	Liquid	108-94-1		136	136	4	8	0.0158			
Cyclo hexyl isocyanate	Liquid	3173-53-3		36*/54			1.74	0.0202			
Diaminoethane, 1,2-	Liquid	107-15-3	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Dichlorbenzen, 1,2-	Liquid	95-50-1	imm	76	>480	6	0.8	0.005	102.5	>480	6
Dichlorbenzen, 1,3-	Liquid	541-73-1	imm	45	57	2	1.8	0.005	251.7	nm	
Dichlorbenzen, 1,4- (50% in Ethanol)	Liquid	106-46-7	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Dichlorethane, 1,2.-	Liquid	107-06-2	imm	imm	imm		<80	0.04	676/20 min	10	
Dichloro -4,4'-methylenedianiline, 2,2'-(sat in Methanol)	Liquid	101-14-4		>480	>480	6	<0.1	0.043			
Dichloro aniline, 3,4- (70 ° C, molten)	Liquid	95-76-1	imm	imm	imm		17	0.001			
Dichloro methane	Liquid	75-09-2	imm	imm	imm		30.4	0.09			
Diesel Fuel Grade D-2	Liquid	mix	>480	>480	>480	6	<0.03	0.03	<14.4	>480	6
Diethyl amine	Liquid	109-89-7	15	15	15	1	11.5	0.05			
Diethyl aniline crude	Liquid	91-66-7		>480	>480	6	<0.1	0.024			
Diethyl benzene (95%)	Liquid	25340-17-4	30	31	42	2	19.7	0.0216			
Diethyl ethanamine, N,N-	Liquid	121-44-8	12	12*/22	>480	6	0.23	0.04			
Diethyl ether	Liquid	60-29-7	imm	imm	imm			0.002			
Diethyl m-toluidine, N,N-	Liquid	91-67-8	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Diethylene imide oxide	Liquid	110-91-8		158	>480	6	0.114	0.014			
Diethylene triamine	Liquid	111-40-0	imm	imm*/321	>480	6	<0.15	0.005	0.3	>480	6
Dimethyl acetamide, N,N-	Liquid	127-19-5	91	96	115	3	2.76	0.014			
Dimethyl dichlorosilane	Liquid	75-78-5		46	>480	6	0.131	0.0208			
Dimethyl formamide, N,N-	Liquid	68-12-2	86	90	>480	6	0.56	0.03	146	>480	6
Dimethyl hydrazine, N,N-	Liquid	57-14-7	13	13	11*/47	1	2.62	0.01			
Dimethyl ketal	Liquid	67-64-1	13	13	29*/258	1	0.9	0.01			
Dimethyl ketone	Liquid	67-64-1	13	13	29*/258	1	0.9	0.01			
Dimethyl maleate	Liquid	624-48-6		>480	>480	6	<0.1	0.0232			
Dimethyl sulfate	Liquid	77-78-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Diphenyl methane diisocyanate, 4,4'- (50 °C, molten)	Liquid	101-68-8	>480	>480	>480	6	<0.0403	0.0403	<19.3	>480	6
Disodium sulfide (60% (slurry))	Liquid	1313-82-2		>480	>480	6	<0.1	0.052			
Epichlorohydrin	Liquid	106-89-8	15	15	15	1	>248	0.01			
Epoxy ethane (gaseous)	Vapor	75-21-8	imm	imm	imm		21.8	0.01			
Ethane 1,2-diol	Liquid	107-21-1	>480	>480	>480	6	<0.006	0.006	<2.8	>480	6
Ethane diol dipropionate, 1,2-	Liquid	123-73-9		34	34	2	14	0.0113			
Ethane nitrile	Liquid	75-05-8	56	60	>480	6	0.35	0.05			
Ethane thiol	Liquid	75-08-1	imm	imm	imm		498	0.01			

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HAZARD / CHEMICAL NAME	PHYSICAL STATE	CAS	BT ACT	BT 0.1	BT 1.0	EN	SSPR	MDPR	CUM 480	TIME 150	ISO
Ethanol	Liquid	64-17-5		>480	>480	6	<0.1	0.0074			
Ethanoyl chloride	Liquid	75-36-5	23	39*/63	>480	6	0.146	0.006			
Ethoxy ethanol, 2-	Liquid	110-80-5	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Ethoxy ethylacetat	Liquid	111-15-9	67*/180	116*/238	>480	6	0.11	0.01	3.04	>480	6
Ethyl Cellosolve®	Liquid	110-80-5	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Ethyl acetate	Liquid	141-78-6	imm	imm	imm*/167		1.55	0.01			
Ethyl alcohol	Liquid	64-17-5		>480	>480	6	<0.1	0.0074			
Ethyl benzene	Liquid	100-41-4	imm	imm	>480	6	<0.25	0.005	8.7	>480	6
Ethyl ethanamine, N-	Liquid	109-89-7	15	15	15	1	11.5	0.05			
Ethyl ether	Liquid	60-29-7	imm	imm	imm			0.002			
Ethyl glycol acetate	Liquid	111-15-9	67*/180	116*/238	>480	6	0.11	0.01	3.04	>480	6
Ethyl mercaptan	Liquid	75-08-1	imm	imm	imm		498	0.01			
Ethyl nitrile	Liquid	75-05-8	56	60	>480	6	0.35	0.05			
Ethylene carboxylic acid	Liquid	79-10-7		>480	>480	6	<0.1	0.029			
Ethylene diamine	Liquid	107-15-3	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Ethylene dichloride	Liquid	107-06-2	imm	imm	imm		<80	0.04	676/20 min	10	
Ethylene glycol	Liquid	107-21-1	>480	>480	>480	6	<0.006	0.006	<2.8	>480	6
Ethylene glycol mono ethyl ether acetate	Liquid	111-15-9	67*/180	116*/238	>480	6	0.11	0.01	3.04	>480	6
Ethylene glycol monobutyl ether	Liquid	111-76-2	>480	>480	>480	6	<0.005	0.005	<2.4		
Ethylene glycol monoethyl ether	Liquid	110-80-5	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Ethylene glycol monomethyl ether	Liquid	109-86-4	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Ethylene glycol monomethyl ether acetate	Liquid	110-49-6	60	>480	>480	6	0.03	0.005	3.97	>480	6
Ethylene oxide (gaseous)	Vapor	75-21-8	imm	imm	imm		21.8	0.01			
Ethylene tetrachloride	Liquid	127-18-4	imm	imm	imm		2.28	0.03			
Ethylene trichloride	Liquid	79-01-6	imm	imm	imm						
Ferric (III) chloride (50%)	Liquid	7705-08-0		>480	>480	6	<0.046	0.046			
Fluorobenzene	Liquid	462-06-6	imm	imm	imm		>500	0.1			
Fluoroboric acid (48-50%)	Liquid	16872-11-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Fluorosilicic acid (33-35%)	Liquid	16961-83-4	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Formaldehyde (37%)	Liquid	50-00-0	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Formalin (37% (10-15% Methanol))	Liquid	50-00-0	>480	>480	>480	6	<0.0048	0.0048	<2.3	>480	6
Formalin (37%)	Liquid	50-00-0	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Formic acid (88%)	Liquid	64-18-6		>480	>480	6	<0.1	0.019			
Fuel-oil no 2	Liquid	68476-30-2	87*/109	>480	>480	6	<0.1	0.005			
Furaldehyde, 2-	Liquid	98-01-1		198*/227			1.1	0.0155			
Furfural	Liquid	98-01-1		198*/227			1.1	0.0155			
Gasoline, unleaded	Liquid	86290-81-5	imm	imm	imm		4.8	0.03			
Gasoline, unleaded E10 (87 Octane)	Liquid	308066-70-8	imm	imm	imm		>13.83	0.04			
Glutaral (50%)	Liquid	111-30-8		>480	>480	6	<0.0161	0.0161			
Glutaraldehyde (50%)	Liquid	111-30-8		>480	>480	6	<0.0161	0.0161			
Glycol alcohol	Liquid	107-21-1	>480	>480	>480	6	<0.006	0.006	<2.8	>480	6
Green Liquor (mix)	Liquid	mix	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Hexamethyl disilazane	Liquid	999-97-3		>480	>480	6	<0.1	0.026			

TECHNICAL DATA SHEET

HAZARD / CHEMICAL NAME	PHYSICAL STATE	CAS	BT ACT	BT 0.1	BT 1.0	EN	SSPR	MDPR	CUM 480	TIME 150	ISO
Hexamethyl disilazane, 1,1,1,3,3,3-	Liquid	999-97-3		>480	>480	6	<0.1	0.026			
Hexamethylene diamine (50 °C, molten)	Liquid	124-09-4	60	80	120	3	>1.52	0.01			
Hexamethylene diisocyanate	Liquid	822-06-0	>480	>480	>480	6	<0.0271	0.0271	<13	>480	6
Hexane, n-	Liquid	110-54-3	imm	imm	>480	6	0.42	0.01			
Hexanone	Liquid	108-94-1		136	136	4	8	0.0158			
Hydrazine	Liquid	302-01-2		>480	>480	6	<0.1	0.0052			
Hydriodic acid (47%)	Liquid	10034-85-2		>480	>480	6	<0.1	0.052			
Hydrochloric acid (37%)	Liquid	7647-01-0		>480	>480	6	<0.1	0.015			
Hydrofluoric acid (48-51%)	Liquid	7664-39-3		>480	>480	6	<0.1	0.008			
Hydrofluoric acid (70%)	Liquid	7664-39-3	98	143	>480	6	<0.5	0.04	84.8	>480	6
Hydrogen chloride (gaseous)	Vapor	7647-01-0		>480	>480	6	<0.1	0.015			
Hydrogen fluoride (20-27 °C, gaseous)	Vapor	7664-39-3	93*/133	93*/134	94*/138	3	40.1	0.0008			
Hydrogen peroxide (30%)	Liquid	7722-84-1		>480	>480	6	<0.1	0.014			
Hydroxy 2-nitrobenzene, 1- (70 °C, molten)	Liquid	88-75-5		imm	imm		4.53	0.004			
Hydroxy toluene	Liquid	100-51-6	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Hydroxy toluene, o-	Liquid	95-48-7		>480	>480	6	<0.1	0.0174			
Iodine	Solid	7553-56-2		>480	>480	6	<0.1	0.0409			
Iodomethane	Liquid	74-88-4	imm	imm	imm		342	0.007			
Isoamyl alcohol	Liquid	123-51-3	>480	>480	>480	6	<0.006	0.006	<2.9	>480	6
Isopropanol	Liquid	67-63-0	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Isopropanol (70%)	Liquid	67-63-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Isopropyl alcohol	Liquid	67-63-0	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Isopropyl alcohol (70%)	Liquid	67-63-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Isopropylidenediphenol diglycidyl ether, 4,4'-(80%)	Liquid	1675-54-3	>480	>480	>480	6	<0.05	0.05	<24	>480	6
JP-4 Jet Fuel	Liquid	50815-00-4	imm	imm	imm*/22		>13	0.05			
JP-8 Jet Fuel	Liquid	94114-58-6	27	39*/67	>480	6	0.61	0.01			
Kerosene	Liquid	8008-20-6		69			0.185	0.0185			
Ketone propane	Liquid	67-64-1	13	13	29*/258	1	0.9	0.01			
Lewisite (L), MIL-STD-282 (10 g/m ²)	Liquid	541-25-3		>360 ⁸							
Maleic anhydride (66 °C, molten)	Liquid	108-31-6	12	13	18	1	9.2	0.016			
Mercuric II chloride (sat)	Liquid	7487-94-7		>480	>480	6	<0.1	0.087			
Mercury	Liquid	7439-97-6	>480	>480	>480	6	<0.09	0.09	<43.2	>480	6
Methanesulphonic acid (70%)	Liquid	75-75-2		>480	>480	6	<0.1	0.031			
Methanol	Liquid	67-56-1	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Methoxy 2-methylpropane, 2-	Liquid	1634-04-4	17	>480	>480	6	<0.1	0.004			
Methoxy ethanol, 2	Liquid	109-86-4	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Methoxy ethylacetate, 2-	Liquid	110-49-6	60	>480	>480	6	0.03	0.005	3.97	>480	6
Methyl 2-methyl-2-propenoate	Liquid	80-62-6		23	23	1	161	0.0161			
Methyl 2-pyrrolidon, N-	Liquid	872-50-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6

TECHNICAL DATA SHEET

HAZARD / CHEMICAL NAME	PHYSICAL STATE	CAS	BT ACT	BT 0.1	BT 1.0	EN	SSPR	MDPR	CUM 480	TIME 150	ISO
Methyl Ethyl Ketone Peroxide (35%)	Liquid	1338-23-4	>480	>480	>480	6	<0.018	0.018	<10	>480	6
Methyl acetyl	Liquid	67-64-1	13	13	29*/258	1	0.9	0.01			
Methyl acrolein	Liquid	123-73-9		34	34	2	14	0.0113			
Methyl aniline, o-	Liquid	95-53-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methyl benzol	Liquid	108-88-3	imm	imm	imm		5.87	0.03			
Methyl bromide	Vapor	74-83-9		>480	>480	6	<0.1	0.0153			
Methyl butan-1-ol, 3-	Liquid	123-51-3	>480	>480	>480	6	<0.006	0.006	<2.9	>480	6
Methyl chloride (-70 °C, liquid)	Vapor	74-83-9		>480	>480	6	<0.1	0.0153			
Methyl chloride (gaseous)	Vapor	74-87-3	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Methyl cyanide	Liquid	75-05-8	56	60	>480	6	0.35	0.05			
Methyl ethyl ketone	Liquid	78-93-3		18	18	1	145	0.0116			
Methyl ethyl ketoxime	Liquid	96-29-7	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Methyl iodide	Liquid	74-88-4	imm	imm	imm		342	0.007			
Methyl isocyanate	Liquid	624-83-9	imm	imm	imm		210	0.0081			
Methyl ketone	Liquid	67-64-1	13	13	29*/258	1	0.9	0.01			
Methyl methacrylate	Liquid	80-62-6		23	23	1	161	0.0161			
Methyl phenols	Liquid	1319-77-3	100	100	90*/130	3	1.14	0.01			
Methyl salicylate	Liquid	119-36-8	>480	>480	>480	6	<0.006	0.006	<2.9	>480	6
Methyl tert-butyl ether	Liquid	1634-04-4	17	>480	>480	6	<0.1	0.004			
Methylen Isocyclohexylamine, 4,4- (50 °C, molten)	Liquid	1761-71-3	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Methylene bis(2-Chloroaniline), 4,4- (sat in Methanol)	Liquid	101-14-4		>480	>480	6	<0.1	0.043			
Methylene chloride	Liquid	75-09-2	imm	imm	imm		30.4	0.09			
Methylene diphenyl diisocyanate, 4,4'- (50 °C, molten)	Liquid	101-68-8	>480	>480	>480	6	<0.0403	0.0403	<19.3	>480	6
Mineral oil	Liquid	8012-95-1	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Mineral spirit	Liquid	64475-85-0		190	>480	6	0.27	0.018			
Morpholine	Liquid	110-91-8		158	>480	6	0.114	0.014			
Naphthalene (25% in Diethylene glycol dimethylether)	Liquid	91-20-3	57	79	>480	6	<0.5	0.007	54	>480	6
Nitric acid (70%)	Liquid	7697-37-2		>480	>480	6	<0.1	0.025			
Nitro benzene	Liquid	98-95-3	55	59	78	3	na	0.05			
Nitro phenol, o- (70 °C, molten)	Liquid	88-75-5		imm	imm		4.53	0.004			
Nitro toluene, 2-	Liquid	88-72-2	95	95	141*/255	4	2	0.07			
Nitrogen Dioxide (liquid)	Liquid	10102-44-0	>480	>480	>480	6	<0.04	0.04	<20	>480	6
Norflurane	Vapor	811-97-2		>480	>480	6	<0.1	0.0164			
Oleum (20% free SO3)	Liquid	8014-95-7	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Oleum (30% free SO3)	Liquid	8014-95-7	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
PCB 1254 (50% in Mineral Oil)	Liquid	11097-69-1		>480	>480	6	<0.1	0.0483			
PCB 1254 (90%)	Liquid	11097-69-1		>480	>480	6	<0.1	0.0483			
Pentachloroantimony	Liquid	7647-18-9	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Pentanedial, 1,5- (50%)	Liquid	111-30-8		>480	>480	6	<0.0161	0.0161			
Peracetic Acid (32%)	Liquid	79-21-0	271	272	282	5	<0.1	0.0123			

TECHNICAL DATA SHEET

HAZARD / CHEMICAL NAME	PHYSICAL STATE	CAS	BT ACT	BT 0.1	BT 1.0	EN	SSPR	MDPR	CUM 480	TIME 150	ISO
Phenethylene	Liquid	100-42-5		16	16	1	na	83.6			
Phenol (45 °C, molten)	Liquid	108-95-2	41	44	79	3	na	0.05	<79, 120 min	148	4
Phenol (60 °C, molten)	Liquid	108-95-2	imm	imm	imm		<20	0.01	455/52 min	31	2
Phenol (85%)	Liquid	108-95-2	>480	>480	>480	6	<0.006	0.006	<2.9	>480	6
Phenyl amine	Liquid	62-53-3	322	>480	>480	6	<0.025	0.005			
Phenyl ethane	Liquid	100-41-4	imm	imm	>480	6	<0.25	0.005	8.7	>480	6
Phenyl ethanol, 1-	Liquid	98-85-1	>480	>480	>480	6	<0.06	0.06	<28.8	>480	6
Phenyl glycidyl ether	Liquid	122-60-1	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Phenyl trichlorosilane	Liquid	98-13-5		>480	>480	6	<0.1	0.0341			
Phosphoric acid (85%)	Liquid	7664-38-2		>480	>480	6	<0.1	0.039			
Phosphorus trichloride	Liquid	7719-12-2	imm	imm	imm		>1000	0.01			
Pimelic ketone	Liquid	108-94-1		136	136	4	8	0.0158			
Polymethylene polyphenyle isocyanate (p-MDI)	Liquid	9016-87-9	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Potassium acetate (sat)	Liquid	127-08-2	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Potassium chromate (sat)	Liquid	7789-00-6	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Potassium hydroxide (45%)	Liquid	1310-58-3	>480	>480	>480	6	<0.1	0.023	>480		
Prop-2-en-1-al (90%)	Liquid	107-02-8		24	24	1	7.9	0.009			
Propan -2-ol	Liquid	67-63-0	>480	>480	>480	6	<0.0097	0.0097	<4.7	>480	6
Propan -2-ol (70%)	Liquid	67-63-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Propan -2-one	Liquid	67-64-1	13	13	29*/258	1	0.9	0.01			
Propen 1-ol, 2-	Liquid	107-18-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Propenamide (50%)	Liquid	79-06-1	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Propene acid	Liquid	79-10-7		>480	>480	6	<0.1	0.029			
Propenenitrile, 2-	Liquid	107-13-1		36*/48	36*/48	2	3.2	0.0085			
Propenoic acid butyl ester, 2-	Liquid	141-32-2	>480	>480	>480	6	<0.05	0.05	>480	>480	6
Propenoic acid nitrile	Liquid	107-13-1		36*/48	36*/48	2	3.2	0.0085			
Propyl bromide, n-	Liquid	106-94-5		12	12	1	16.2	0.04			
Propylene aldehyde	Liquid	123-73-9		34	34	2	14	0.0113			
Pyridine	Liquid	110-86-1		31	31	2	63.5	0.0127			
Pyroacetic ether	Liquid	67-64-1	13	13	29*/258	1	0.9	0.01			
Sarin (GB), MIL-STD-282 (10 g/m²)	Liquid	107-44-8		>480 ⁸							
Silicon tetrachloride	Liquid	10026-04-7	35	35	35	2	>43	0.01			
Skydrol 4D	Liquid	mix	>480	>480	>480	6	<0.0129	0.0129	<6.2	>480	6
Skydrol 5	Liquid	mix	>480	>480	>480	6	<0.0129	0.0129	<6.2	>480	6
Skydrol PE-5	Liquid	mix	>480	>480	>480	6	<0.0129	0.0129	<6.2	>480	6
Sodium bisulphite (38-40%)	Liquid	7631-90-5	>480	>480	>480	6	<0.07	0.07	<33.6	>480	6
Sodium cyanide (sat)	Liquid	143-33-9	>480	>480	>480	6	<0.05	0.05	<24	>480	6
Sodium fluoride (sat)	Liquid	7681-49-4		>480	>480	6	<0.1	0.014			
Sodium hydroxide (50%)	Liquid	1310-73-2	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Sodium hypochlorite (15%)	Liquid	7681-52-9	>480	>480	>480	6	<0.03	0.03	<14.4	>480	6
Sodium metabisulphite (38%)	Liquid	7681-57-4		>480	>480	6	<0.1	0.052			

TECHNICAL DATA SHEET

HAZARD / CHEMICAL NAME	PHYSICAL STATE	CAS	BT ACT	BT 0.1	BT 1.0	EN	SSPR	MDPR	CUM 480	TIME 150	ISO
Spectracide® (50% Malathion, 44% Aromatic Solvent)	Liquid	mix	>480	>480	>480	6	<0.0242	0.0242	<12	>480	6
Spiritus	Liquid	64-17-5		>480	>480	6	<0.1	0.0074			
Styrene	Liquid	100-42-5		16	16	1	na	83.6			
Sulfur Mustard (HD), MIL-STD-282 (10 g/m ²)	Liquid	505-60-2		>480 ⁸							
Sulfur dioxide	Vapor	7446-09-5	>480	>480	>480	6	<0.02	0.02	<9.6	>480	6
Sulfuric acid (>95%)	Liquid	7664-93-9	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Sulfuric acid dimethyl ester	Liquid	77-78-1	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Sulfuric acid fuming (20% free SO ₃)	Liquid	8014-95-7	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6
Sulfuric acid fuming (30% free SO ₃)	Liquid	8014-95-7	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Tetrachloro ethane, 1,1,2,2-	Liquid	79-34-5	25	25	37	2	75.4	0.027			
Tetrachloro ethylene, 1,1,2,2-	Liquid	127-18-4	imm	imm	imm		2.28	0.03			
Tetraethyl ammonium hydroxide (35%)	Liquid	77-98-5		>480	>480	6	<0.0237	0.0237			
Tetraethylene pentamine	Liquid	112-57-2	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Tetrafluoroethane, 1,1,1,2-	Vapor	811-97-2		>480	>480	6	<0.1	0.0164			
Tetrahydrofuran	Liquid	109-99-9	imm	imm	imm		238.8	0.08			
Tetramethyl ammonium hydroxide (25%)	Liquid	75-59-2	>480	>480	>480	6	<0.025	0.025	<12	>480	6
Thioalkohol	Liquid	75-08-1	imm	imm	imm		498	0.01			
Titan(IV) chloride	Liquid	7550-45-0	imm	imm	45	2	>497	0.01			
Titanium tetrachloride	Liquid	7550-45-0	imm	imm	45	2	>497	0.01			
Toluene	Liquid	108-88-3	imm	imm	imm		5.87	0.03			
Toluene diisocyanate, 2,4-	Liquid	584-84-9	>480	>480	>480	6	<0.0281	0.0281	<13.5	>480	6
Toluene diisocyanate, 2,4- (80%)	Liquid	584-84-9		>480	>480	6	<0.1	0.0281			
Toluidine, m-	Liquid	108-44-1	201	>480	>480	6	0.08	0.005			
Toluidine, o-	Liquid	95-53-4	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Trichloro vinylsilane	Liquid	75-94-5	90	100	110	3	>1.2	0.01			
Trichloro benzene, 1,2,4-	Liquid	120-82-1	87	87	175	4	>2.5	0.1			
Trichloro ethanol, 2,2,2-	Liquid	115-20-8	>480	>480	>480	6	<0.008	0.008	<3.8	>480	6
Trichloro ethylene	Liquid	79-01-6	imm	imm	imm						
Trichloro methane	Liquid	67-66-3	imm	imm	imm						
Trichloro phenylsilane	Liquid	98-13-5		>480	>480	6	<0.1	0.0341			
Trichloro silane	Liquid	10025-78-2	45	60	60	2	>2.5	0.01			
Triethyl amine	Liquid	121-44-8	12	12*/22	>480	6	0.23	0.04			
Triethylentetramine (60%)	Liquid	112-24-3	>480	>480	>480	6	<0.005	0.005	<2.4	>480	6
Trifluoro acetic acid	Liquid	76-05-1	imm	>480	>480	6		0.004			
Trifluoro methansulfonic acid	Liquid	1493-13-6	66*/88	>480	>480	6		0.009			
Trimethyl phosphite	Liquid	121-45-9	208	210	229	4	na	0.02			
VM & P Naphtha	Liquid	8030-30-6	imm	imm	11*/15	1	21.7	0.0201			
VX Nerve Agent, MIL-STD-282 (10 g/m ²)	Liquid	50782-69-9		>480 ⁸							
Vinyl acetate	Liquid	108-05-4	23	24	30	1	20.3	0.0139			
Vinyl benzol	Liquid	100-42-5		16	16	1	na	83.6			

TECHNICAL DATA SHEET

HAZARD / CHEMICAL NAME	PHYSICAL STATE	CAS	BT ACT	BT 0.1	BT 1.0	EN	SSPR	MDPR	CUM 480	TIME 150	ISO
Vinyl carbinol	Liquid	107-18-6	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Vinyl chloride	Vapor	75-01-4	>480	>480	>480	6	<0.06	0.06	<28.8	>480	6
Vinyl cyanide	Liquid	107-13-1		36*/48	36*/48	2	3.2	0.0085			
Vinyl ethylene (gaseous)	Vapor	106-99-0	>480	>480	>480	6	<0.01	0.01	<4.8	>480	6
Vinyl magnesium chloride (15% in Tetrahydrofuran)	Liquid	3536-96-7	imm	imm	imm		3.27	0.01			
Vinyl pyridine, 4-	Liquid	100-43-6	15	15	45	2	>1.93	0.01			
White Liquor	Liquid	mix	>480	>480	>480	6	<0.04	0.04	<19.2	>480	6

BTAct (Actual) Breakthrough time at MDPR [mins] | BT0.1 Normalized breakthrough time at 0.1 µg/cm²/min [mins] |

BT1.0 Normalized breakthrough time at 1.0 µg/cm²/min [mins] | EN Classification according to EN 14325 | SSPR Steady state permeation rate [µg/cm²/min] |

MDPR Minimum detectable permeation rate [µg/cm²/min] | CUM480 Cumulative permeation mass after 480 mins [µg/cm²] |

Time150 Time to reach cumulative permeation mass of 150 µg/cm² [mins] | ISO Classification according to ISO 16602 |

CAS Chemical abstracts service registry number | min Minute | > Larger than | < Smaller than | imm Immediate (< 10 min) | nm Not tested |

sat Saturated solution | N/A Not Applicable | na Not attained | GPR grade General purpose reagent grade | * Based on lowest single value |

8 Actual breakthrough time; normalized breakthrough time is not available | DOT5 Degradation after 5 min | DOT30 Degradation after 30 min |

DOT60 Degradation after 60 min | DOT240 Degradation after 240 min | BT1383 Normalized breakthrough time at 0.1 µg/cm²/min [mins] acc. ASTM F1383 |

Important Note

The permeation data published have been generated for DuPont by independent accredited testing laboratories according to the test method applicable at that time (EN ISO 6529 (method A and B), ASTM F739, ASTM F1383, ASTM D6978, EN369, EN 374-3) The data is typically the average of three fabrics samples tested. All chemicals have been tested at an assay of greater than 95 (w/w) % unless otherwise stated. The tests were performed between 20 °C and 27 °C and at environmental pressure unless otherwise stated. A different temperature may have significant influence on the breakthrough time. Permeation typically increases with temperature. Cumulative permeation data have been measured or have been calculated based on minimum detectable permeation rate. Cytostatic drugs testing has been performed at a test temperature of 27°C according to ASTM D6978 or ISO 6529 with the additional requirement of reporting a normalized breakthrough time at 0.01 µg/cm²/min. Chemical warfare agents (Lewisite, Sarin, Soman, Mustard, Tabun and VX Nerve Agent) have been tested according to MIL-STD-282 at 22°C or according to FINABEL 0.7 at 37°C. Permeation data for Tyvek® is applicable to white Tyvek® 500 and Tyvek® 600 only and is not applicable for other Tyvek® styles or colours. Permeation data are usually measured for single chemicals. The permeation characteristics of mixtures can often deviate considerably from the behaviour of the individual chemicals. The permeation data for gloves published have been generated according to ASTM F739 and to ASTM F1383. The degradation data for gloves published have been generated based on a gravimetric method. This degradation testing exposes one side of the glove material to the test chemical for four hours. The percent weight change after exposure is measured at four time intervals: 5, 30, 60 and 240 minutes.

Degradation Ratings:

- E: EXCELLENT (0-10% Weight Change)
- G: GOOD (11-20% Weight Change)
- F: FAIR (21-30% Weight Change)
- P: POOR (31-50% Weight Change)
- NR: NOT RECOMMENDED (Above 50% Weight Change)
- NT: NOT TESTED

Degradation is the physical change in a material after chemical exposure. Typical observable effects may be swelling, wrinkling, deterioration, or delamination. Strength loss may also occur.

Please use the permeation data provided as a part of the risk assessment to assist with the selection of a protective fabric, garment, glove or accessory suitable for your application. Breakthrough time is not the same as safe wear time. Breakthrough times are indicative of the barrier performance, but results can vary between the test methods and laboratories. Breakthrough time alone is insufficient to determine how long a garment may be worn once the garment has been contaminated. Safe user wear time may be longer or shorter than the breakthrough time depending on the permeation behaviour of the substance, the toxicity of the substance, working conditions and the exposure conditions (e.g. temperature, pressure, concentration, physical state).

Latest Update Permeation Data: 3/25/2022

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.

WARNING

For enhanced liquid protection, taping of outer cuff to glove is recommended. A double cuff is not a substitute for supplementary taping.

The garment does not protect against ionizing radiation.

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any

testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.

This garment and/or fabric are not flame resistant and should not be used around heat, open flame, sparks or in potentially flammable environments.

DuPont™ SafeSPEC™ - We're here to help

Our powerful web-based tool can assist you with finding the appropriate DuPont garments for chemical, controlled environment, thermal and mechanical hazards.



**DuPont Personal Protection
SafeSPEC™**

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CREATED ON: SEPTEMBER 5, 2022

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EU DECLARATION OF CONFORMITY

Tychem® 4000 S model CHZ5

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EU DECLARATION OF CONFORMITY

We, DuPont de Nemours (Luxembourg) s.à r.l., declare that the PPE

Tychem® 4000 S model CHZ5

Is in conformity with the relevant European Union harmonisation legislation provisions of the Regulation EU 2016/425.

Is in conformity with the requirements for PPE of category III.

Meets the minimum requirements specified by harmonized product standards:

EN 1073-2:2002	(non-ventilated protective clothing against particulate radioactive contamination) for a performance classification of TIL Class 1.
EN14605:2005 + A1:2009	(Protective clothing against liquid chemicals) for full body protection against liquid chemicals with liquid-tight (Type 3) and spray-tight (Type 4) connections.
EN ISO 13982-1:2004 + A1:2010	(Chemical protective clothing providing protection to the full body against airborne solid particulates (Type 5).
EN 13034:2005 + A1:2009	(Type 6: Limited life, full body chemical protective clothing offering limited protection against liquid chemicals).
EN14126:2003	(Protective clothing against infective agents) for the performance classification 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Protective clothing - Electrostatic properties) for electrostatic dissipative protective clothing with a surface resistance of $\leq 2.5 \times 10^9 \Omega$ on the internal (white) surface of the garment.

Is identical to the PPE which is subject of EU type-examination (Module B) certificate N°

GB17/873401

issued by SGS Fimko Oy, Notified Body 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland.

Is subject to the conformity assessment procedure based on quality assurance of the production process (Module D) under the surveillance of the notified body SGS Fimko Oy, Notified Body 0598.

Signed for DuPont de Nemours (Luxembourg) s.à r.l at Luxembourg,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



EU-KONFORMITÄTSERKLÄRUNG

Wir, DuPont de Nemours (Luxemburg) S.à r.l., erklären folgendes zu dem (den) PSA-Produkt(Produkten)

Tychem® 4000 S model CHZ5

Es besteht Übereinstimmung mit den einschlägigen Bestimmungen zur Rechtsharmonisierung der Europäischen Union gemäß der Verordnung (EU) 2016/425.

Es besteht Übereinstimmung mit den Anforderungen an PSA der Kategorie III.

Die sich aus den harmonisierten Produktstandards ergebenden Mindestanforderungen werden erfüllt:

EN 1073-2:2002 (Unbelüftete Schutzkleidung gegen radioaktive Kontamination durch feste Partikel) für eine Leistungseinstufung der TIL-Klasse 1.

EN14605:2005 + A1:2009 (Schutzkleidung gegen flüssige Chemikalien) für Ganzkörperschutz gegen flüssige Chemikalien mit flüssigkeitsdichten (Typ 3) und spraydichten (Typ 4) Verbindungen.

EN ISO 13982-1:2004 + A1:2010 (Chemikaliensicherheitschutzkleidung, die den gesamten Körper einen Schutz gegen luftgetragene feste Partikel gewährt (Typ 5)).

EN 13034:2005 + A1:2009 (Typ 6: Begrenzt haltbare Ganzkörper-Chemikaliensicherheitschutzkleidung mit eingeschränkter Schutzleistung gegen flüssige Chemikalien).

EN14126:2003 (Schutzkleidung gegen Infektionserreger) für die Leistungseinstufungen 3-B, 4-B, 5-B, 6-B.

EN 1149-5:2008 (Schutzkleidung - Elektrostatische Eigenschaften) für elektrostatisch ableitfähige Schutzkleidung mit einem Oberflächenwiderstand von $\leq 2,5 \times 10^9 \Omega$ an der (weißen) Innenfläche der Schutzkleidung.

Es besteht Gleichartigkeit mit der PSA, die der EU-Baumusterprüfung (Modul B) unterliegt, Zertifikat Nr.

GB17/873401

Das Zertifikat wird durch SGS Fimko Oy vergeben, Zertifizierungsstelle 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland.

Das (die) Produkt(e) unterliegen dem Konformitätsprüfungsverfahren, das auf der Qualitätssicherung des Herstellungsverfahrens (Modul D) beruht und von der Zertifizierungsstelle SGS Fimko Oy überwacht wird (Zertifizierungsstelle Nr. 0598).

Unterzeichnet für DuPont de Nemours (Luxemburg) S.à r.l. in Luxemburg,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



DÉCLARATION DE CONFORMITÉ EU

Nous, DuPont de Nemours (Luxembourg) s.à r.l., déclarons que l'EPI

Tychem® 4000 S model CHZ5

est conforme aux dispositions réglementaires d'harmonisation de l'Union européenne du Règlement (UE) 2016/425 pertinentes.

est conforme aux exigences concernant les EPI de catégorie III.

répond aux exigences minimales requises par les normes harmonisées pour le produit :

EN 1073-2:2002	(vêtement de protection non ventilé contre la contamination par les particules radioactives) pour une classe de performance TIL Classe 1.
EN14605:2005 + A1:2009	(Vêtement de protection contre les produits chimiques liquides) assurant la protection intégrale du corps contre les produits chimiques liquides avec raccords étanches aux liquides (Type 3) et aux jets pulvérisés (Type 4).
EN ISO 13982-1:2004 + A1:2010	(Vêtement de protection chimique intégral contre les particules solides en suspension dans l'air (Type 5)).
EN 13034:2005 + A1:2009	(Type 6 : vêtement de protection chimique intégral à durée de vie limitée, offrant une protection limitée contre les produits chimiques liquides).
EN14126:2003	(Vêtement de protection contre les agents infectieux) pour les classes de performance 3-B, 4-B, 5-B et 6-B.
EN 1149-5:2008	(Vêtement de protection - Propriétés électrostatiques) pour le vêtement de protection par dissipation électrostatique avec une résistance de la surface $\leq 2,5 \times 10^9 \Omega$ à la surface intérieure (blanche) du vêtement.

est identique à l'EPI soumis à l'examen UE de type (Module B), n° de certificat

GB17/873401

émis par SGS Fimko Oy, Organisme notifié 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland.

est soumis à la procédure d'évaluation de conformité fondée sur l'assurance qualité du processus de production (Module D) sous la surveillance de l'organisme notifié SGS Fimko Oy, Numéro d'organisme notifié 0598.

Signé pour le compte de DuPont de Nemours (Luxembourg) s.à r.l. au
Luxembourg,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*



DICHIARAZIONE DI CONFORMITÀ EU

DuPont de Nemours (Luxembourg) s.à r.l. dichiara che i DPI

Tychem® 4000 S model CHZ5

sono conformi alle disposizioni pertinenti della normativa di armonizzazione dell'Unione europea del Regolamento (UE) 2016/425;

sono conformi ai requisiti dei DPI della categoria III;

soddisfano i requisiti minimi specificati dagli standard armonizzati sui prodotti:

EN 1073-2:2002	(Indumenti di protezione non ventilati contro la contaminazione radioattiva sotto forma di particelle) per una classificazione delle prestazioni TIL classe 1
EN14605:2005 + A1:2009	(Indumenti di protezione contro agenti chimici liquidi) per una protezione totale contro agenti chimici liquidi con collegamenti a tenuta di liquidi (tipo 3) e a tenuta di spruzzi (tipo 4)
EN ISO 13982-1:2004 + A1:2010	(Indumenti di protezione contro prodotti chimici che offrono protezione all'intero corpo contro particelle solide disperse nell'aria (tipo 5))
EN 13034:2005 + A1:2009	(Tipo 6: tute di protezione contro prodotti chimici, di durata limitata, che offrono una protezione limitata contro agenti chimici liquidi)
EN14126:2003	(Indumenti di protezione contro agenti infettivi) per la classificazione delle prestazioni 3-B, 4-B, 5-B e 6-B
EN 1149-5:2008	(Indumenti di protezione - Proprietà elettrostatiche) per gli indumenti di protezione che dissipano le cariche elettrostatiche con una resistenza della superficie $\leq 2,5 \times 10^9 \Omega$ sulla superficie interna (bianca) dell'indumento

sono identici ai DPI soggetti all'esame UE del tipo (modulo B), n. di certificato

GB17/873401

rilasciato da SGS Fimko Oy, Notified Body 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finlandia;

è soggetto alla procedura di valutazione della conformità basata sulla garanzia di qualità del processo di produzione (modulo D) sotto la sorveglianza dell'organismo notificato SGS Fimko Oy, organismo notificato numero 0598.

Firmato per conto di DuPont de Nemours (Luxembourg) s.à r.l a
Lussemburgo,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



DECLARACIÓN DE CONFORMIDAD EU

Nosotros, DuPont de Nemours (Luxembourg) s.à r.l., declaramos que los Equipos de protección individual

Tychem® 4000 S model CHZ5

son conformes con las disposiciones de legislación de armonización de la Unión Europea pertinentes del Reglamento (UE) 2016/425.

Son conformes con los requisitos de Equipos de Protección Individual de categoría III.

Cumplen los requisitos mínimos especificados por las normas de productos armonizadas:

EN 1073-2:2002	(prendas de protección sin ventilación contra la contaminación por partículas radioactivas) para una clasificación de rendimiento TIL Clase 1.
EN14605:2005 + A1:2009	(Prendas de protección contra químicos líquidos) para la protección de cuerpo completo contra químicos líquidos con conexiones que evitan la penetración de líquidos (Tipo 3) y la penetración de pulverizaciones (Tipo 4).
EN ISO 13982-1:2004 + A1:2010	(Prendas de protección química que protegen todo el cuerpo contra las partículas sólidas suspendidas en el aire (Tipo 5).
EN 13034:2005 + A1:2009	(Tipo 6: Prendas de protección química de cuerpo completo, vida limitada que protegen contra químicos líquidos).
EN14126:2003	(Prendas de protección contra agentes infecciosos) para la clasificación de rendimiento 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Prendas de protección - Propiedades electrostáticas) para prendas protectoras con capacidad de disipación electrostática con una superficie de resistencia de $\leq 2,5 \times 10^9 \Omega$ en la superficie (blanca) interna de la prenda.

Es idéntica a los Equipos de Protección Individual que son objeto del certificado del examen de tipo de la UE (Módulo B) N°

GB17/873401

emitido por SGS Fimko Oy, Notified Body 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finlandia.

Está sujeta al procedimiento de evaluación de conformidad basado en el aseguramiento de la calidad del proceso de producción (Módulo D) bajo la vigilancia del organismo notificado SGS Fimko Oy, Organismo Notificado número 0598.

Firmado para DuPont de Nemours (Luxembourg) s.à r.l en Luxemburgo,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



DECLARAÇÃO DE CONFORMIDADE EU

Nós, DuPont de Nemours (Luxemburgo) s.à r.l, declaramos que o EPI

Tychem® 4000 S model CHZ5

Está em conformidade com as disposições relevantes da legislação de harmonização da União Europeia do Regulamento UE 2016/425.

Está em conformidade com os requisitos para o EPI da categoria III.

Cumpramos os requisitos mínimos especificados pelas normas harmonizadas de produtos:

EN 1073-2:2002	(vestuário de proteção não ventilado contra contaminação radioativa na forma de partículas) para uma classificação de desempenho da Classe TIL 1.
EN14605:2005 + A1:2009	(Vestuário de proteção contra produtos químicos líquidos) para proteção de todo o corpo contra produtos químicos líquidos com ligações impermeáveis (Tipo 3) e estanques (Tipo 4).
EN ISO 13982-1:2004 + A1:2010	(Vestuário de proteção contra produtos químicos que protege o corpo inteiro contra partículas sólidas suspensas no ar (Tipo 5).
EN 13034:2005 + A1:2009	(Tipo 6: Vida útil limitada, vestuário de proteção contra produtos químicos para todo o corpo que oferece proteção limitada contra produtos químicos líquidos).
EN14126:2003	(Vestuário de proteção contra agentes infecciosos) para a classificação de desempenho 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Vestuário de proteção - Propriedades eletrostáticas) para vestuário de proteção eletrostática dissipativa com uma resistência superficial de $\leq 2,5 \times 10^9 \Omega$ na superfície (branca) interna da peça.

É idêntico ao EPI sujeito ao n.º de certificado de exame de tipo UE (Módulo B)

GB17/873401

emitido pela SGS Fimko Oy, Organismo Notificado 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finlândia.

Está sujeito ao procedimento de avaliação da conformidade com base na garantia de qualidade do processo de produção (Módulo D) sob a vigilância do organismo notificado SGS Fimko Oy, Organismo Notificado número 0598.

Assinado por DuPont de Nemours (Luxemburgo) s.à r.l no Luxemburgo,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist



EU-CONFORMITEITSVERKLARING

Wij, DuPont de Nemours (Luxembourg) s.à r.l., verklaren hierbij dat de persoonlijke beschermingsuitrusting

Tychem® 4000 S model CHZ5

In overeenstemming is met de relevante bepalingen van de harmonisatiewetgeving van de Europese Unie (Verordening EU 2016/425).

In overeenstemming is met de vereisten voor persoonlijke beschermingsuitrusting van categorie III.

Voldoet aan de vereisten zoals opgegeven door geharmoniseerde productnormen:

EN 1073-2:2002	(Niet-geventileerde beschermende kleding tegen radioactieve besmetting door vaste deeltjes) voor een prestatieclassificatie van TIL klasse 1.
EN14605:2005 + A1:2009	(Beschermende kleding tegen vloeibare chemicaliën) voor de volledige bescherming van het lichaam tegen vloeibare chemicaliën met vloeistofdichte (type 3) en spatdichte (type 4) verbindingen.
EN ISO 13982-1:2004 + A1:2010	(Beschermende kleding tegen chemicaliën die het volledige lichaam beschermt tegen door de lucht verspreide vaste deeltjes bestaande chemicaliën (type 5).
EN 13034:2005 + A1:2009	(Type 6: Volledig beschermende, beperkt te gebruiken kleding tegen chemische middelen met een beperkte bescherming tegen vloeibare chemicaliën).
EN14126:2003	(Beschermende kleding tegen besmettelijke agentia) voor de prestatieclassificatie 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Beschermende kleding - Elektrostatische eigenschappen) voor antistatische beschermende kleding met een oppervlakteweerstand van $\leq 2,5 \times 10^9 \Omega$ aan de (witte) binnenkant van de kleding.

Is identiek aan de persoonlijke beschermingsuitrusting die het onderwerp is van het EU-typeonderzoek (module B) certificaatnummer

GB17/873401

Uitgegeven door SGS Fimko Oy, aangemelde instantie 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland.

Is onderworpen aan de conformiteitsbeoordelingsprocedure die is gebaseerd op de kwaliteitsborging van het productieproces (module D) onder toezicht van de aangemelde instantie SGS Fimko Oy, nummer van de aangemelde instantie 0598.

Ondertekend voor DuPont de Nemours (Luxembourg) s.à r.l in Luxemburg,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist 



EU-SAMSVARSERKLÆRING

Vi, DuPont de Nemours (Luxembourg) s.à r.l., erklærer at det personlige verneutstyret

Tychem® 4000 S model CHZ5

Er i samsvar med de relevante harmoniseringsbestemmelsene i forordning (EU) 2016/425.

Er i samsvar med kravene til personlig verneutstyr i kategori III.

Innfrir minimumskravene for harmoniserte produktstandarder:

EN 1073-2:2002	(ikke-ventilert vernetøy mot radioaktiv partikkelforurensning) for ytelsesklassifisering TIL-klasse 1.
EN14605:2005 + A1:2009	(Vernetøy til bruk mot flytende kjemikalier) for beskyttelse av hele kroppen mot flytende kjemikalier med væsketette (type 3) eller dusjtette (type 4) forbindelser.
EN ISO 13982-1:2004 + A1:2010	(Vernetøy som beskytter hele kroppen mot luftbårne faste partikler (type 5)).
EN 13034:2005 + A1:2009	(Type 6: Tidsbegrenset vernetøy som gir hele kroppen begrenset beskyttelse mot flytende kjemikalier).
EN14126:2003	(Vernetøy mot smittestoffer) for ytelsesklassifisering 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Vernetøy – elektrostatiske egenskaper) for elektrostatisk dissipativt vernetøy med en overflatemotstand på $\leq 2,5 \times 10^9 \Omega$ på den innvendige (hvite) overflaten på plagget.

Er identisk med det personlige vernetøyet som er underlagt EU-typetest under modul B, sertifikat N°

GB17/873401

utstedt av SGS Fimko Oy, Notified Body 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland.

Er underlagt prosedyren for samsvarsvurdering basert på kvalitetssikring av produksjonsprosessen (modul D) under overvåkning av det tekniske kontrollorganet SGS Fimko Oy med nummer 0598.

Underskrevet på vegne av DuPont de Nemours (Luxembourg) s.à r.l i
Luxembourg,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*



EU-OVERENSSTEMMELSESERKLÆRING

Vi, DuPont de Nemours (Luxembourg) s.à r.l., erklærer, at det personlige
værnemiddel

Tychem® 4000 S model CHZ5

Er i overensstemmelse med de relevante harmoniseringsbestemmelser i forordning (EU) 2016/425 i EU-lovgivningen.

Er i overensstemmelse med kravene til personlige værnemidler i kategori III.

Opfylder minimumskravene for harmoniserede produktstandarder:

EN 1073-2:2002	(ikke-ventileret beskyttelsesbeklædning mod radioaktiv partikelkontaminering) med en ydeevneklassificering som TIL-klasse 1.
EN14605:2005 + A1:2009	(Beskyttelsesbeklædning mod flydende kemikalier) for fuld kropsbeskyttelse mod flydende kemikalier med vandtætte (type 3) og sprøjtetætte (type 4) forbindelser.
EN ISO 13982-1:2004 + A1:2010	(Kemisk beskyttelsesbeklædning, der beskytter hele kroppen mod luftbårne faste partikler (type 5).
EN 13034:2005 + A1:2009	(Type 6: Tidsbegrænset, kemisk beskyttelsesbeklædning for hele kroppen, der yder begrænset beskyttelse mod flydende kemikalier).
EN14126:2003	(Beskyttelsesbeklædning mod smitsomme agenser) for ydeevneklassificeringen 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Beskyttelsesbeklædning – elektrostatiske egenskaber) for elektrostatisk dissipativ beskyttelsesbeklædning med en overflademodstand på $\leq 2,5 \times 10^9 \Omega$ på beklædningsgenstandens indvendige (hvide) overflade.

Er identisk med det personlige værnemiddel, der er underlagt EU-typetest under modul B, certifikat N°

GB17/873401

udstedt af SGS Fimko Oy, Notified Body 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland.

Er underlagt overensstemmelsesvurderingsproceduren baseret på kvalitetssikring af produktionsprocessen (modul D) under overvågning af det bemyndigede organ SGS Fimko Oy med nummer 0598.

Underskrevet på vegne af DuPont de Nemours (Luxembourg) s.à r.l i
Luxembourg,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



FÖRSÄKRAN OM EU-ÖVERENSSTÄMMELSE

Vi, DuPont de Nemours (Luxembourg) s.à r.l., försäkrar att den personliga skyddsutrustningen

Tychem® 4000 S model CHZ5

Överensstämmer med relevanta bestämmelser om EU-harmoniseringslagstiftning i EU-förordningen 2016/425.

Överensstämmer med kraven för personlig skyddsutrustning i kategori III.

Uppfyller minimikraven som anges av harmoniserade produktstandarder:

EN 1073-2:2002	(icke ventilerade skyddskläder mot radioaktiva föreningar i partikelform) för prestandaklassificeringen TIL klass 1.
EN14605:2005 + A1:2009	(Skyddskläder mot kemikalier i vätskeform) för fullständigt kroppsskydd mot kemikalier i vätskeform, med vätsketäta (typ 3) och stänktäta (typ 4) anslutningar.
EN ISO 13982-1:2004 + A1:2010	(skyddskläder mot kemikalier som ger skydd för hela kroppen mot luftburna fasta partiklar (typ 5).
EN 13034:2005 + A1:2009	(typ 6: Prestandakrav för kemisk skyddsdräkt med begränsad skyddsfunktion mot kemikalier i vätskeform).
EN14126:2003	(Skyddskläder mot smittsamma ämnen) för prestandaklassificeringen 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Skyddskläder – Elektrostatiska egenskaper) för elektrostatiska dissipativa skyddskläder med en ytresistivitet på $\leq 2,5 \times 10^9 \Omega$ på plaggets inre (vita) yta.

Är identisk med personlig skyddsutrustning som genomgår EU-typprovning (modul B) certifikat N°

GB17/873401

utställt av SGS Fimko Oy, Notified Body 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland.

Genomgår bedömningsförfarandet för överensstämmelse baserat på produktionsprocessens kvalitetssäkring (modul D) under tillsyn av det anmälda organet SGS Fimko Oy, anmält organ nr 0598.

Undertecknat för DuPont de Nemours (Luxembourg) s.à r.l. i Luxemburg,

20.Mar.19

M. Raschellà
Tyvek® Quality Specialist *M. Raschellà*



EU-VAATIMUSTENMUKAISUUSVAKUUTUS

Me, DuPont de Nemours (Luxembourg) s.à r.l., vakuutamme, että henkilönsuojain

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on asianmukaisten asetuksessa (EU) 2016/425 annettujen Euroopan unionin yhdenmukaistamislainsäädännön vaatimusten mukainen.

on luokkaan III luokiteltujen henkilönsuojainten vaatimusten mukainen.

täyttää yhdenmukaistettujen tuotestandardien vähimmäisvaatimukset:

EN 1073-2:2002 (ei-tuulettuva suojavaate radioaktiiviselta saastumiselta) TIL-luokan 1 suorituskyluokituksen osalta.

EN14605:2005 + A1:2009 (Suoja vaatetus nestemäisiä kemikaaleja vastaan) koskien koko vartalon suojaamista nestemäisiltä kemikaaleilta nestetiiviillä (tyyppi 3) ja suihketiiviillä (tyyppi 4) liitännöillä.

EN ISO 13982-1:2004 + A1:2010 (Kemialliselta vaaralta tai haitalta suojaava vaatetus, joka suojaa koko vartaloa ilmassa kulkevilta kiinteiltä hiukkasilta (tyyppi 5).

EN 13034:2005 + A1:2009 (Tyyppi 6: Käyttöältään rajoitettu, koko vartaloa kemialliselta vaaralta tai haitalta suojaava vaatetus, joka suojaa rajallisesti nestemäisiltä kemikaaleilta).

EN14126:2003 (Suoja vaatetus infektiivisiä aineita vastaan) suorituskyluokituksen 3-B, 4-B, 5-B ja 6-B osalta.

EN 1149-5:2008 (Suoja vaatetus – sähköstaattiset ominaisuudet) koskien staattista sähköä poistavaa suojavaatetusta, jonka pintavastus on $\leq 2,5 \times 10^9 \Omega$ vaatteen (valkoisella) sisäpinnalla.

on identtinen sellaisen henkilönsuojaimen kanssa, joka on alisteinen EU-tyyppitarkastuksen (moduuli B) sertifikaatille N°

GB17/873401

jonka on myöntänyt SGS Fimko Oy, ilmoitetun laitoksen numeroltaan 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Suomi.

on alisteinen vaatimustenmukaisuusarviointimenettelylle, joka perustuu tuotantoprosessin laadunvarmistukseen (moduuli D) ilmoitetun laitoksen SGS Fimko Oy, ilmoitetun laitoksen numeroltaan 0598, valvonnassa.

Allekirjoittanut Luxemburgissa DuPont de Nemours (Luxembourg) s.à r.l -
yrityksen puolesta

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



DEKLARACJA ZGODNOŚCI UE

Spółka DuPont de Nemours (Luksemburg) S.à r.l. oświadcza, że ŚOI

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są zgodne ze stosownymi przepisami unijnego prawodawstwa harmonizacyjnego określonego w Rozporządzeniu UE 2016/425.

są zgodne z wymaganiami ustanowionymi dla ŚOI kategorii III.

spełniają minimalne wymagania określone przez zharmonizowane normy dla produktu:

EN 1073-2:2002	(niewentylowana odzież chroniąca przed skażeniem cząstkami promieniotwórczymi), klasyfikacja skuteczności TIL Klasa 1.
EN14605:2005 + A1:2009	(Odzież chroniąca przed płynnymi substancjami chemicznymi) dla zapewnienia ochrony całego ciała przed płynnymi substancjami chemicznymi z połączeniami nieprzepuszczającymi cieczy w postaci płynnej (Typ 3) lub rozpylonej (Typ 4).
EN ISO 13982-1:2004 + A1:2010	(Odzież chroniąca przed substancjami chemicznymi, zapewniająca ochronę całego ciała przed obecnymi w powietrzu cząstkami stałymi (Typ 5).
EN 13034:2005 + A1:2009	(Typ 6: Ograniczona trwałość, odzież chroniąca przed substancjami chemicznymi, zapewniająca ograniczoną ochronę całego ciała przed płynnymi substancjami chemicznymi).
EN14126:2003	(Odzież chroniąca przed czynnikami biologicznymi) klasyfikacja skuteczności 3-B, 4-B, 5-B i 6-B.
EN 1149-5:2008	(Odzież ochronna – Właściwości elektrostatyczne) odzież ochronna rozładowująca elektryczność statyczną z rezystancją powierzchniową w wysokości $\leq 2,5 \times 10^9 \Omega$ na wewnętrznej (białej) powierzchni ubrania.

są identyczne jak ŚOI będące obiektem certyfikatu badania typu WE (moduł B) nr

GB17/873401

opracowanie: SGS Fimko Oy, jednostka notyfikowana 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finlandia.

Podlega procedurze oceny zgodności w oparciu o zapewnienie jakości procesu produkcji (Moduł D) pod nadzorem jednostki notyfikowanej SGS Fimko Oy, jednostka notyfikowana numer 0598.

Podpisane przez spółkę DuPont de Nemours (Luksemburg) s.à r.l w
Luksemburgu.

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*



EU MEGFELELŐSÉGI NYILATKOZAT

Ezennel a DuPont de Nemours (Luxembourg) s.à r.l. kijelenti, hogy a

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egyéni védőöltözet megfelel az EU 2016/425 EU rendelet vonatkozó EU harmonizációs jogszabályi rendelkezéseinek.

Megfelel az egyéni védőeszközökre vonatkozó III. kategóriájú követelményeknek.

Megfelel a harmonizált termékszabványokban meghatározott minimális követelményeknek:

EN 1073-2:2002	(szemcsés radioaktív szennyeződés elleni, nem szellőztetett védőruházat) a TIL 1. osztály teljesítményosztályhoz.
EN14605:2005 + A1:2009	(Folyékony vegyszerek elleni védőruházat) folyékony vegyszerek ellen védelmet nyújtó, az egész testet védő, folyadékszáró (3. típus) és permetzáró (4. típus) kapcsolatokat tartalmazó ruházathoz.
EN ISO 13982-1:2004 + A1:2010	(A levegőben lebegő szilárd részecskék ellen az egész testet védő, vegyszerek elleni védőruházat (5. típusú ruházat).
EN 13034:2005 + A1:2009	(6. típusú ruházat: Folyékony vegyszerek ellen korlátozott védelmet nyújtó, az egész testet védő, korlátozott élettartamú, vegyszerek elleni védőruházat).
EN14126:2003	(Fertőző anyagok elleni védőruházat) a 3-B, 4-B, 5-B, 6-B teljesítményosztályhoz.
EN 1149-5:2008	(Védőruházat – Elektrosztatikus tulajdonságok), a ruházat belső (fehér) felületén $\leq 2,5 \times 10^9 \Omega$ felületi ellenállású elektrosztatikus disszipatív védőruházathoz.

Megegyezik az EU típusvizsgálat (B modul) tárgyát képező,

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számú, az SGS Fimko Oy, Notified Body 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finnország által kiadott tanúsítvánnyal rendelkező egyéni védőeszközzel.

A gyártási folyamat minőségbiztosításán (D modul) alapuló megfelelőségértékelési eljárás alá esik, az SGS Fimko Oy (kijelölt tanúsító szervezet, azonosító száma: 0598) ellenőrzése alatt.

A luxembourgi DuPont de Nemours (Luxembourg) s.à r.l. nevében az aláíró:

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*



ES PROHLÁŠENÍ O SHODĚ

My, společnost DuPont de Nemours (Luxembourg) s.à r.l., prohlašujeme o osobním ochranném prostředku

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Je ve shodě s relevantními harmonizačními právními ustanoveními Evropské unie dle nařízení EU 2016/425.

Je ve shodě s požadavky na osobní ochranné prostředky kategorie III.

Splňuje minimální požadavky specifikované harmonizovanými produktovými normami:

EN 1073-2:2002	(ochranné oděvy bez nucené ventilace proti kontaminaci radioaktivními částicemi) pro klasifikaci účinnosti TIL třídy 1.
EN14605:2005 + A1:2009	(Ochranné oděvy proti kapalným chemikáliím) pro ochranu celého těla proti kapalným chemikáliím se spoji nepropustnými proti kapalinám (typ 3) nebo nepropustnými proti postřiku ve formě spreje (typ 4).
EN ISO 13982-1:2004 + A1:2010	(Ochranné oděvy proti chemikáliím poskytující ochranu celého těla proti polétavým pevným částicím (typ 5).
EN 13034:2005 + A1:2009	(Typ 6: Celotělové protichemické ochranné oděvy s omezenou životností poskytující omezenou ochranu proti kapalným chemikáliím).
EN14126:2003	(Ochranné oděvy proti infekčním agens) pro klasifikaci účinnosti 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Ochranné oděvy – Elektrostatické vlastnosti) pro elektrostaticky disipativní ochranné oděvy s povrchovým odporem $\leq 2,5 \times 10^9 \Omega$ na vnitřním (bílém) povrchu oděvu.

Je identický s osobním ochranným prostředkem, který je předmětem certifikátu EU přezkoušení typu (modul B) č.

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vydaného orgánem SGS Fimko Oy s číslem notifikovaného orgánu 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finsko.

Je předmětem postupu pro posuzování shody založeného na ověřování kvality výrobního postupu (modul D) pod dohledem notifikovaného orgánu SGS Fimko Oy, číslo notifikovaného orgánu 0598.

V Lucembursku za společnost DuPont de Nemours (Luxembourg) s.à r.l.
podepsal

20.Mar.19

M. Raschella
Tyvek® Quality Specialist



ЕУ ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ

Ние, DuPont de Nemours (Люксембург) s.à r.l., декларираме, че личните предпазни средства (ЛПС)

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са в съответствие с разпоредбите на законодателството за хармонизация на Европейския съюз в Регламент 2016/425 на ЕС;

са в съответствие с изискванията за ЛПС от категория III.

Отговарят на минималните изисквания, посочени в хармонизираните стандарти за продуктите:

EN 1073-2:2002	(непроветряемо защитно облекло срещу замърсяване с радиоактивни частици) за класификация на ефективността TIL клас 1.
EN14605:2005 + A1:2009	(Защитни облекла срещу течни химични продукти) за защита на цяло тяло срещу течни химични продукти с връзки между отделните части на облеклото, непроникливи на течности (тип 3) и аерозоли (тип 4).
EN ISO 13982-1:2004 + A1:2010	(Защитни облекла срещу химични продукти, осигуряващи защита на цялото тяло от твърди частици във въздуха (тип 5).
EN 13034:2005 + A1:2009	(Тип 6: защитни облекла за цялото тяло с ограничен срок на експлоатация, предлагащи ограничена защита срещу течни химични продукти).
EN14126:2003	(Защитни облекла срещу причинители на инфекции) за класификация за изпълнението 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Защитно облекло — Електростатични свойства) за защитно облекло с разсейване на електростатичен заряд, повърхностно съпротивление $\leq 2,5 \times 10^9 \Omega$ от вътрешната (бялата) повърхност на дрехата.

са идентични с ЛПС, които са обект на сертификата за типово изпитване на ЕС (модул B) с №

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издаден от SGS Fimko Oy, нотифициран орган 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Финландия;

са обект на процедурата за оценка на съответствието въз основа на осигуряване на качеството на производството (модул D) под надзора на нотифицирания орган SGS Fimko Oy, номер на нотифицирания орган 0598.

Подписано от името на DuPont de Nemours (Люксембург) s.à r.l в
Люксембург,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



VYHLÁSENIE O ZHODE PRE VÝROBOK OZNAČENÝ ZNAČKOU EU

My, spoločnosť DuPont de Nemours (Luxembourg) s.à r.l., vyhlasujeme, že tento osobný ochranný prostriedok Tychem® 4000 S model CHZ5

je v zhode s príslušnými ustanoveniami harmonizačnej legislatívy Európskej únie uvedenými v nariadení Európskeho parlamentu a Rady (EÚ) 2016/425.

je v zhode s požiadavkami na osobné ochranné prostriedky kategórie III.

spĺňa minimálne požiadavky špecifikované harmonizovanými produktovými normami:

EN 1073-2:2002	(ochranné odevy bez nútenej ventilácie proti kontaminácii rádioaktívnymi časticami) na klasifikáciu funkčných vlastností triedy TIL 1.
EN14605:2005 + A1:2009	(ochranné odevy proti kvapalným chemikáliám) na ochranu celého tela proti kvapalným chemikáliám s kvapalinotesnými (typ 3) alebo sprejotesnými (typ 4) spojmami.
EN ISO 13982-1:2004 + A1:2010	(protichemické ochranné odevy zabezpečujúce ochranu celého tela pred vzduchom sa šíriacim tuhým časticami (typ 5).
EN 13034:2005 + A1:2009	(typ 6: celotelové protichemické ochranné odevy s obmedzenou životnosťou poskytujúce obmedzenú ochranu proti kvapalným chemikáliám).
EN14126:2003	(ochranné odevy proti nositeľom nákazy) na klasifikáciu funkčných vlastností 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(ochranné odevy – elektrostatické vlastnosti) pre ochranné odevy odvádzajúce elektrostatický náboj s povrchovým odporom $\leq 2,5 \times 10^9 \Omega$ na vnútornom (bielom) povrchu odevu.

je identický s osobným ochranným prostriedkom, ktorý je predmetom certifikátu typovej skúšky pre EÚ (modul B) č.

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vydaného spoločnosťou SGS Fimko Oy, číslo notifikovaného orgánu 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Fínsko.

je predmetom postupu vyhodnocovania zhody založeného na hodnotení kvality výrobného procesu (modul D) pod dohľadom notifikovaného orgánu SGS Fimko Oy, číslo notifikovaného orgánu 0598.

Podpísané za spoločnosť DuPont de Nemours (Luxembourg) s.à r.l.
v Luxemburgu,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*



IZJAVA O SKLADNOSTI EU

Mi, DuPont de Nemours (Luxembourg) s.à r.l., izjavljamo, da za osebno zaščitno opremo velja naslednje:

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Je skladna z relevantnimi določbami zakonodaje Evropske Unije o harmonizaciji v Uredbi EU 2016/425.

Je skladna z zahtevami za osebno zaščitno opremo kategorije III.

Izpolnjuje minimalne zahteve, ki jih določajo harmonizirani standardi za izdelke:

EN 1073-2:2002	(zaščitna obleka brez prezračevanja, ki ščiti pred onesnaženjem z radioaktivnimi delci) za razvrstitev zmogljivosti v TIL, razred 1.
EN14605:2005 + A1:2009	(Obleka za zaščito pred tekočimi kemikalijami) za zaščito celotnega telesa pred tekočimi kemikalijami s povezavami, neprepustnimi za vodo (tip 3) in z zatesnjenimi spoji (tip 4).
EN ISO 13982-1:2004 + A1:2010	(Obleka za zaščito pred kemikalijami, ki ščiti celotno telo pred trdnimi delci, izvrženimi v zrak (tip 5).
EN 13034:2005 + A1:2009	(Tip 6: obleka za zaščito pred kemikalijami z omejeno življenjsko dobo, ki ščiti celotno telo in omogoča omejeno zaščito pred tekočimi kemikalijami).
EN14126:2003	(Zaščitna obleka proti povzročiteljem okužb) za razvrstitev zmogljivosti 3-B, 4-B, 5-B in 6-B.
EN 1149-5:2008	(Zaščitna obleka – elektrostatične lastnosti) za elektrostatično disipacijsko zaščitno obleko z upornostjo površine $\leq 2,5 \times 10^9 \Omega$ na notranji (beli) površini obleke.

Je identična osebni zaščitni opremi, ki je predmet certifikata preizkusa tipa EU (modul B) št.

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ki ga je izdalo podjetje SGS Fimko Oy, prigrasitveni organ 0598, Box 30 (Särkiniementie 3), 00211 HELSINKI, Finska.

Je predmet postopka ocenjevanja skladnosti na podlagi potrdila o kakovosti v proizvodnem procesu (modul D) pod nadzorom prigrasitvenega organa SGS Fimko Oy, prigrasitveni organ številka 0598.

Podpisano za podjetje DuPont de Nemours (Luxembourg) s.à r.l v kraju
Luxembourg,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*



DECLARAȚIE DE CONFORMITATE EU

Noi, DuPont de Nemours (Luxembourg) s.à r.l., declarăm că echipamentul de protecție personală

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este în conformitate cu prevederile legislației relevante de armonizare ale Uniunii Europene din Regulamentul UE 2016/425.

este în conformitate cu cerințele pentru echipamentele de protecție personală din categoria III.

îndeplinește cerințele minime specificate de standardele armonizate pentru produse:

EN 1073-2:2002	(Îmbrăcăminte neventilată de protecție împotriva contaminării cu particule radioactive) pentru o clasificare a performanțelor în Clasa TIL 1.
EN14605:2005 + A1:2009	(Îmbrăcăminte de protecție împotriva substanțelor chimice lichide) pentru protecție corporală completă împotriva substanțelor chimice lichide cu conexiuni impermeabile la lichide (Tipul 3) și la pulverizare (Tipul 4).
EN ISO 13982-1:2004 + A1:2010	(Îmbrăcăminte de protecție chimică împotriva particulelor solide aerogene pentru întregul corp (Tipul 5).
EN 13034:2005 + A1:2009	(Tipul 6: Îmbrăcăminte de protecție chimică, cu durată de viață limitată, pentru întregul corp, care oferă o protecție limitată împotriva substanțelor chimice lichide).
EN14126:2003	(Îmbrăcăminte de protecție împotriva agenților infecțioși) pentru clasificările de performanțe 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Îmbrăcăminte de protecție - proprietăți electrostatice) pentru îmbrăcăminte de protecție cu proprietăți de disipare electrostatică, cu o rezistență a suprafeței de $\leq 2,5 \times 10^9 \Omega$ în partea interioară (albă).

Este identic cu echipamentele de protecție personală supuse omologării UE (Modulul B), nr. de certificat

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emis de SGS Fimko Oy, număr de organism notificat 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finlanda.

Se supune procedurii de evaluare a conformității bazate pe asigurarea calității procesului de producție (Modulul D) sub supravegherea organismului notificat SGS Fimko Oy, număr de organism notificat 0598.

Semnat pentru DuPont de Nemours (Luxembourg) s.à r.l în Luxemburg,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



EU ATITIKTIES DEKLARACIJA

Mes, „DuPont de Nemours (Luxembourg) s.à r.l.“, deklaruojame, kad AAP

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Atitinka Reglamento ES 2016/425 susijusias Europos Sąjungos derinamųjų teisės aktų nuostatas.

Atitinka reikalavimus III kategorijos AAP.

Tenkina minimalius reikalavimus, nurodytus darniuosiuose produktų standartuose:

EN 1073-2:2002	(neventiliuojamoji apsauginė apranga nuo taršos radioaktyviosiomis dulkėmis) TIL 1 klasės charakteristikų klasifikacijai.
EN14605:2005 + A1:2009	(Apsauginė apranga nuo skystųjų chemikalų) viso kūno apsaugai nuo skystųjų chemikalų su skysčiams (3 tipo apranga) ir purškimui nepralaidžiomis jungtimis (4 tipo apranga).
EN ISO 13982-1:2004 + A1:2010	(Apsauganti nuo chemikalų apranga, teikianti visam kūnui apsaugą nuo ore esančių kietųjų dalelių (5 tipo apranga).
EN 13034:2005 + A1:2009	(6 tipo įranga. Trumpalaikė apsauganti nuo chemikalų apranga, teikianti visam kūnui apsaugą nuo skystųjų chemikalų).
EN14126:2003	(Apsauginė apranga nuo infekcinių agentų) 3-B, 4-B, 5-B, 6-B charakteristikų klasifikacijai.
EN 1149-5:2008	(Apsauginė apranga – elektrostatinės savybės) elektrostatinį krūvį sklaidančiai apsauginei aprangai, kurios paviršinė varža $\leq 2,5 \times 10^9 \Omega$ drabužio vidiniame (baltame) paviršiuje.

Yra identiška AAP, kuriai taikomas ES tipo tyrimas (B modulis), sertifikato Nr.

GB17/873401

išdavė „SGS Fimko Oy“, notifikuotoji įstaiga 0598, Box 30 (Särkiniementie 3), 00211 HELSINKI, Suomija.

Taikoma atitikties vertinimo procedūra, pagrįsta gamybos proceso kokybės užtikrinimu (D modelis) kontroliuojant notifikuotajai įstaigai „SGS Fimko Oy“, notifikuotosios įstaigos numeris 0598.

Pasirašyta „DuPont de Nemours (Luxembourg) s.à r.l.“ vardu Liuksemburge,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



EU ATBILSTĪBAS DEKLARĀCIJA

Mēs, DuPont de Nemours (Luxembourg) s.à r.l., paziņojam, ka individuālais aizsardzības līdzeklis

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Atbilst Regulā ES 2016/425 noteiktajām attiecīgajām Eiropas Savienības saskaņošanas tiesību aktu prasībām.

Atbilst III kategorijas individuālā aizsardzības līdzekļa prasībām.

Atbilst minimālajām prasībām, kas norādītas saskaņotajos ražojumu standartos:

EN 1073-2:2002	(neventilēts aizsargapģērbs pret saindēšanos ar radioaktīvām daļiņām), TIL 1. kategorijas veikspēja.
EN14605:2005 + A1:2009	(Aizsargapģērbs pret šķidrajām ķīmikālijām) visa ķermeņa aizsardzībai pret šķidrajām ķīmikālijām ar šķidrumu necaurlaidīgiem (3. tips) un izsmidzinātu šķidrumu necaurlaidīgiem (4. tips) savienojumiem starp apģērba daļām.
EN ISO 13982-1:2004 + A1:2010	(Pretķīmiskais aizsargapģērbs, kas nodrošina pilnu ķermeņa aizsardzību pret gaisā emitētām cietajām daļiņām (5. tips)).
EN 13034:2005 + A1:2009	(6. tips: visa ķermeņa pretķīmiskais aizsargapģērbs ar ierobežotu veikspēju pret šķidrajām ķīmikālijām un ierobežotu kalpošanas ilgumu).
EN14126:2003	(Aizsargapģērbs pret infekcijas izraisošiem mikroorganismiem), veikspējas klase 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Aizsargapģērbs — elektrostātiskās īpašības), elektrostātiskos lādiņus izkliedējošs aizsargapģērbs ar tērpa iekšējās (baltās) virsmas pretestību $\leq 2,5 \times 10^9 \Omega$.

Ir identisks individuālajam aizsardzības līdzeklim, uz ko attiecas ES tipu pārbaude (B modulis), sertifikāts nr.

GB17/873401

kuru izsniedz SGS Fimko Oy, paziņotās struktūras numurs 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Somija.

Uz individuālo aizsardzības līdzekli attiecas atbilstības novērtēšanas procedūra, kuras pamatā ir ražošanas procesa kvalitātes nodrošināšana (D modulis) un kuru uzrauga paziņotā struktūra SGS Fimko Oy, paziņotās struktūras numurs 0598.

Parakstīts DuPont de Nemours (Luxembourg) s.à r.l. vārdā Luksemburgā

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



EU VASTAVUSDEKLARATSIOON

Meie, DuPont de Nemours (Luxembourg) s.à r.l., deklareerime isikukaitsevahendite kohta järgmist.

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Vastavad määruse (EL) 2016/425 asjakohastele Euroopa Liidu ühtlustamisõigusaktide sätetele.

Vastavad III kategooria isikukaitsevahenditele kohalduvatele nõuetele.

Täidavad järgmiste harmoneeritud tootestandardite miinimumnõudeid:

EN 1073-2:2002	(mitteventileeritavad kaitserõivad kaitseks radioaktiivsete tolmuosakeste saaste eest) vastupidavusklassi TIL 1. klass nõuded;
EN14605:2005 + A1:2009	(Vedelate kemikaalide eest kaitsev riietus) kogu keha kaitseks vedelate kemikaalide eest, vedelikukindlate (3. tüüp) ja pritsmekindlate (4. tüüp) ühendustega;
EN ISO 13982-1:2004 + A1:2010	(Kemikaalide eest kaitsev riietus, mis tagab kogu keha kaitse lendlevate aineosakeste eest (5. tüüp));
EN 13034:2005 + A1:2009	(6. tüüp: vedelate kemikaalide eest piiratud kaitset pakkuv kogu keha kemikaalide eest kaitsev piiratud kasutuseaga riietus);
EN14126:2003	(Nakkuslike ainete eest kaitsev kaitseriietus) klassifikatsiooniga 3-B, 4-B, 5-B, 6-B;
EN 1149-5:2008	(Kaitseriietus. Elektrostaatilised omadused.) elektrostaatilist laengut hajutav kaitseriietus, mille pinnatakistus rõiva (valgel) sisepinnal on $\leq 2,5 \times 10^9 \Omega$.

On identsed isikukaitsevahenditega, millele kohaldub Euroopa Liidu tüübihindamise (Mooduli B) sertifikaat nr

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ja mille on välja andnud SGS Fimko Oy, teavitatud asutus 0598, üksus 30 (Särkiniementie 3), 00211 HELSINKI, Soome.

On teavitatud asutuse SGS Fimko Oy, teavitatud asutuse number 0598, järelevalve all teostatava tootmisprotsessi (Moodul D) kvaliteeditagamisel põhineva vastavushindamise subjekt.

Ettevõtte DuPont de Nemours (Luxembourg) s.à r.l nimel Luksemburgis
allkirjastanud

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*



EU UYGUNLUK BEYANI

DuPont de Nemours (Lüksemburg) s.à r.l. olarak KKD'nin aşağıdaki şartları karşıladığını beyan ederiz:

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2016/425 sayılı (AB) Tüzükteki ilgili Avrupa Birliği uyumlaştırma mevzuatı hükümlerine uygundur.

Kategori III'deki KKD gereksinimlerine uygundur.

Uyumlaştırılmış ürün standartlarının belirttiği aşağıdaki asgari gereksinimleri yerine getirir:

EN 1073-2:2002	(radyoaktif partikül kontaminasyonuna karşı havalandırmaz koruyucu giysi) TIL Sınıf 1 performans standardı için.
EN14605:2005 + A1:2009	(Sıvı kimyasallara karşı koruyucu giysi) sıvı kimyasallara karşı sıvıya dayanıklı (Tip 3) ve spreye dayanıklı (Tip 4) bağlantılara sahip tam vücut koruması için.
EN ISO 13982-1:2004 + A1:2010	(Havada uçuşan katı partiküllere karşı tam vücut koruması sağlayan kimyasal koruyucu giysi (Tip 5).
EN 13034:2005 + A1:2009	(Tip 6: Sıvı kimyasallara karşı sınırlı koruma sağlayan sınırlı kullanım ömrüne sahip, tam vücut kimyasal koruyucu giysi).
EN14126:2003	(Hastalık bulaştırıcı maddelere karşı koruyucu giysi) 3-B, 4-B, 5-B ve 6-B performans sınıfı için.
EN 1149-5:2008	(Koruyucu giysi - Elektrostatik özellikler) tulumun iç (beyaz) yüzeyinde $\leq 2,5 \times 10^9 \Omega$ yüzey direncine sahip elektrostatik yük yayıcı koruyucu giysi için.

P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finlandiya adresinde bulunan 0598 numaralı,

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SGS Fimko Oy tarafından verilen AB tip incelemesi (Modül B) sertifika no. GBXXX'e tabi KKD ile aynıdır.

0598 numaralı Onaylı Kuruluş SGS Fimko Oy gözetimi altında üretim prosesinin kalite güvencesine (Modül D) dayalı uygunluk değerlendirme prosedürüne tabidir.

Lüksemburg'daki DuPont de Nemours (Lüksemburg) s.à r.l. adına imzalayan,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*



ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΥ

Εμείς, η DuPont de Nemours (Luxembourg) s.à r.l., δηλώνουμε ότι τα ΜΑΠ

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Συμμορφώνονται με τις αντίστοιχες διατάξεις της ενωσιακής νομοθεσίας εναρμόνισης του Κανονισμού ΕΕ 2016/425.

Συμμορφώνονται με τις απαιτήσεις για ΜΑΠ κατηγορίας III.

Πληρούν τις ελάχιστες απαιτήσεις που προβλέπονται από τα εναρμονισμένα πρότυπα προϊόντων:

EN 1073-2:2002	(μη εξαεριζόμενος προστατευτικός ρουχισμός έναντι μόλυνσης από ραδιενεργά σωματίδια) για την κατηγορία απόδοσης συνολικής διαρροής προς το εσωτερικό (TIL) 1.
EN14605:2005 + A1:2009	(Προστατευτικός ρουχισμός έναντι υγρών χημικών ουσιών) για προστασία ολόκληρου του σώματος από υγρές χημικές ουσίες με στεγανούς συνδέσμους προστασίας από υγρά (Τύπος 3) και από ψεκασμό (Τύπος 4).
EN ISO 13982-1:2004 + A1:2010	(Προστατευτικός ρουχισμός έναντι χημικών ουσιών που παρέχει προστασία ολόκληρου του σώματος από αερομεταφερόμενα στερεά σωματίδια (Τύπος 5).
EN 13034:2005 + A1:2009	(Τύπος 6: Προστατευτικός ρουχισμός ολόκληρου του σώματος έναντι χημικών ουσιών, περιορισμένης διάρκειας ζωής, ο οποίος προσφέρει περιορισμένη προστασία από υγρές χημικές ουσίες).
EN14126:2003	(Προστατευτικός ρουχισμός έναντι μολυσματικών παραγόντων) για την κατηγορία απόδοσης 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Προστατευτικός ρουχισμός - Ηλεκτροστατικές ιδιότητες) για προστατευτικό ρουχισμό διάχυσης στατικού ηλεκτρισμού με επιφανειακή αντίσταση $\leq 2,5 \times 10^9 \Omega$ στην εσωτερική (λευκή) επιφάνεια του ενδύματος.

Είναι ίδια με τον εξοπλισμό που εγκρίνεται με το πιστοποιητικό ελέγχου τύπου της ΕΕ (Ενότητα Β) Ν°

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που εκδίδεται από την SGS Fimko Oy, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Φινλανδία, με αριθμό αποδέκτη φορέα 0598.

Υποβάλλεται στη διαδικασία αξιολόγησης συμμόρφωσης με βάση τη διασφάλιση ποιότητας της διαδικασίας παραγωγής (Ενότητα D) υπό την εποπτεία της αποδέτριας εταιρείας SGS Fimko Oy, με αριθμό αποδέκτη φορέα 0598.

Υπογράφεται για την DuPont de Nemours (Luxembourg) s.à r.l. στο
Λουξεμβούργο,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*



ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ EU

Компания DuPont de Nemours (Luxembourg) s.à r.l., заявляет, что СИЗ

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Отвечает соответствующим положениям Регламента ЕС 2016/425 о гармонизации законодательства.

Соответствует требованиям к СИЗ категории III.

Отвечает минимальным требованиям, указанным в гармонизированных стандартах на продукцию:

EN 1073-2:2002	(невентилируемая специальная одежда для защиты от воздействия загрязнения радиоактивными веществами) относительно эксплуатационных характеристик TIL класс 1
EN14605:2005 + A1:2009	(одежда для защиты от жидких реагентов) относительно защиты всего тела от жидких реагентов с непроницаемыми для жидкости (тип 3) и брызгонепроницаемыми (тип 4) соединениями
EN ISO 13982-1:2004 + A1:2010	(одежда для химической защиты всего тела от взвешенных в воздухе частиц, тип 5)
EN 13034:2005 + A1:2009	(тип 6: одежда для ограниченной защиты всего тела от жидких реагентов)
EN14126:2003	(одежда для защиты от инфекционных веществ) относительно эксплуатационных характеристик 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(защитная одежда, электростатические свойства) относительно защитной одежды, рассеивающей электростатический заряд, с поверхностным сопротивлением $\leq 2,5 \times 10^9$ ом на внутренней (белой) поверхности одежды.

Аналогично СИЗ, которое является предметом сертификата ЕС на соответствие требованиям типовых испытаний (модуль B) №

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выданного организацией SGS SGS Fimko Oy (идентификационный номер уполномоченного органа: 0598), P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland. (Финляндия).

Подлежит процедуре оценки соответствия, основанной на контроле качества процесса производства (модуль D) под надзором уполномоченного органа SGS SGS Fimko Oy (идентификационный номер уполномоченного органа: 0598).

Подписан от имени компании DuPont de Nemours (Luxembourg) s.à r.l в
Люксембурге,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *M. Raschella*



IZJAVA O USKLAĐENOSTI (EU)

Mi, DuPont de Nemours (Luksemburg) s.à r.l., izjavljujemo da je osobna zaštitna oprema

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u skladu s odgovarajućim zakonskim odredbama Europske unije o usklađenosti u okviru Uredbe EU 2016/425

u skladu sa zahtjevima za osobnu zaštitnu opremu III. kategorije

ispunjava minimalne zahtjeve navedene u normama za usklađenost proizvoda:

EN 1073-2:2002	(Neventilirana odjeća za zaštitu od kontaminacije radioaktivnim česticama) za razvrstavanje izvedbe u 1. razred prema TIL-u.
EN14605:2005 + A1:2009	(Zaštitna odjeća koja štiti od tekućih kemikalija) za zaštitu cijelog tijela od tekućih kemikalija čiji su šavovi nepropusni za tekućinu (vrsta 3) i raspršivanje (vrsta 4).
EN ISO 13982-1:2004 + A1:2010	(Odjeća za zaštitu od kemikalija koja štiti cijelo tijelo od lebdećih čvrstih čestica (vrsta 5).
EN 13034:2005 + A1:2009	(Vrsta 6.: zaštitna odjeća koja ograničenom učinkovitošću štiti cijelo tijelo od tekućih kemikalija).
EN14126:2003	(Zaštitna odjeća koja štiti od infektivnih sredstava) za razvrstavanje izvedbe u razrede 3-B, 4-B, 5-B, 6-B.
EN 1149-5:2008	(Zaštitna odjeća – elektrostatička svojstva) za zaštitnu odjeću s elektrostatičkim svojstvima površinske otpornosti od $\leq 2,5 \times 10^9 \Omega$ na unutrašnjoj (bijeloj) površini odjeće.

jednaka osobnoj zaštitnoj opremi koja podliježe ispitivanju EU-a (modul B) s certifikatom br.

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koji izdaje tvrtka SGS Fimko Oy, ovlašteno tijelo 0598, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finska.

podliježe procjeni usklađenosti koja se temelji na osiguranju kvalitete proizvodnog postupka (modul D) u okviru nadzora koji provodi ovlašteno tijelo SGS Fimko Oy, broj ovlaštenog tijela 0598.

Potpisao u ime tvrtke DuPont de Nemours (Luksemburg) s.à r.l u
Luksemburgu,

20.Mar.19

M. Raschella
Tyvek® Quality Specialist *Raschella M.*