







Manufacturer:	DACH Schutzbekleidung GmbH & Co. KG	
Trademark:	SAFE®	
Product:	BioSafe	
REF:	561	

Classification:	<ul style="list-style-type: none"> ▪ CAT III personal protective equipment according to Regulation (EU) 2016/425 for PPE. ▪ Helmke Drum Test accordingly IEST-PR-CC003.4: Category II <p>We recommend the use in clean rooms accordingly EN ISO 14644-1: ISO class 6 to 9.</p>		
Protection class:	Type	Standard:	Description
	4	EN 14605	Protective clothing against liquid chemicals - Performance requirements for clothing with spray-tight connections
	5	EN ISO 13982-1	Protective clothing for use against solid particulates - Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates
	6	EN 13034	Protective clothing against liquid chemicals - Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals
	B	EN 14126	Protective clothing - Performance requirements and test methods for protective clothing against infective agents
		EN 1149-1, EN 1149-5	Protective clothing - Electrostatic properties - Part 1: Test method for measurement of surface resistivity; Part 5: Material performance and design requirements
		EN 1073-2	Protective clothing against radioactive contamination - Part 2: Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination

																																																			
Material:	The inside is soft, skin-friendly non-woven fabric, made of multilayer fine fiber and microfiber non-woven polypropylene. The outer side is covered with microporous PE film, which is breathable and liquid repellent.																																																		
Product description:	<p>The BioSafe protective suit from DACH provides reliable protection against (high-level) sprayed chemicals and biological hazards.</p> <p>The ergonomic cut offers a high degree of freedom of movement. The elastic waist area ensures a flexible fit with every movement. With enclosed elastic around the hood opening and leg ends as well as elastic knit cuffs with thumb loops for added security in combination with gloves.</p> <p>The comfortable hood guarantees an optimal fit without slipping while working even with respirators.</p> <p>The zipper cover is self-adhesive and has an extra long chin cover for increased protection from liquids.</p> <p>All seams are taped over to prevent liquids from penetrating through the seams.</p> <p>This suit meets the requirements for Type 4B chemical protective suits even without taping. Material: Microporous PP-PE laminate.</p>																																																		
Product Performance:	<table><tr><th colspan="5">Physical Properties</th></tr><tr><th>Property</th><th>Standard</th><th>Unit</th><th>Result</th><th>EN-Class/ Pass</th></tr><tr><td>Abrasion resistance</td><td>EN 530 method 2</td><td>Cycles</td><td>> 100</td><td>Pass</td></tr><tr><td>Flex cracking resistance</td><td>EN ISO 7854</td><td>Cycles</td><td>> 15.000</td><td>Pass</td></tr><tr><td>Tear resistance (trapezoidal)</td><td>EN ISO 9073-4</td><td>N</td><td>> 10</td><td>Pass</td></tr><tr><td>Tensile strength</td><td>EN ISO 13934-1</td><td>N</td><td>> 30</td><td>Pass</td></tr><tr><td>Puncture resistance</td><td>EN 863</td><td>N</td><td>> 5</td><td>Pass</td></tr><tr><td>Seam strength</td><td>EN ISO 13935-2</td><td>N</td><td>> 50</td><td>Pass</td></tr><tr><td colspan="5">Resistance against penetration by liquid chemicals accordingly EN ISO 6530:</td></tr></table>						Physical Properties					Property	Standard	Unit	Result	EN-Class/ Pass	Abrasion resistance	EN 530 method 2	Cycles	> 100	Pass	Flex cracking resistance	EN ISO 7854	Cycles	> 15.000	Pass	Tear resistance (trapezoidal)	EN ISO 9073-4	N	> 10	Pass	Tensile strength	EN ISO 13934-1	N	> 30	Pass	Puncture resistance	EN 863	N	> 5	Pass	Seam strength	EN ISO 13935-2	N	> 50	Pass	Resistance against penetration by liquid chemicals accordingly EN ISO 6530:				
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	<i>Chemical</i>	<i>Repellency-index [%]</i>	<i>EN-Class</i>	<i>Penetration-index [%]</i>	<i>EN-Class</i>
	Sulphuric Acid (30%)	>95	3	<1	3
	Sodium Hydroxide (10%)	>95	3	<1	3
	Butan-1-ol	>95	3	<1	3
	o-xilene	< 80	-	<1	3
	Resistance against permeation by liquid chemicals accordingly EN ISO 6529:				
	<i>Chemical</i>	<i>Breakthrough time (min)</i>		<i>EN-Class</i>	
	Sulphuric Acid (30%)	28		2	
	Protection against infective agents accordingly EN 14126:				
	<i>Test method</i>	<i>Standard</i>	<i>Unit</i>	<i>Result</i>	<i>EN-Class</i>
	Resistance to Penetration by Blood-Borne Pathogens - Test method using Phi-X174 Bacteriophage	ISO 16603	kPa	20	6
	Resistance to Wet Microbial Penetration	EN ISO 22610	min	> 75	6
	Resistance to Liquid Aerosol Penetration	ISO 22611	CFU*	Log ₁₀ > 5	3
	Resistance to Dry Microbial Penetration	EN ISO 22612	CFU*	Log ₁₀ ≤ 1	3
	*CFU = Colony forming units				
Size:	M - XXXL				
Colour:	White				
Packaging and variants:	Packaging		Quantity		
	Bag		1 pc.		

	Shipping carton	50 pcs.
GTIN:	561/M	4049825004233
	561/L	4049825004240
	561/XL	4049825004257
	561/XXL	4049825004264
	561/XXXL	4049825004271
Use:	<p>Single use.</p> <p>Please read the usage information before use.</p> <p>Check the protective suit for any damage.</p> <p>Do not use the protective suit if it is damaged.</p>	
Marking:	The labeling of the product and packaging complies with the relevant regulations.	
Storage:	<p>Store without direct sunlight, dry in original packaging, see also packaging.</p> <p>If the storage conditions are observed, the product has a storage life of 10 years.</p>	
Disposal:	<p>The product can be thermally recycled or disposed of in landfills without releasing toxic substances.</p> <p>In the case of contaminated products, the type and extent of contamination determines the disposal, and applicable laws and regulations must be followed.</p>	