

Manufacturer:	DACH Schutzbekleidung GmbH හ Co. KG	
Trademark:	SAFE®	
Product:	ChemSafe	
REF:	54	

Classification:	CAT III a	CAT III according to the Personal Protective Equipment (PPE) Regulation (EU) 2016/425.				
Protection class:	Туре	Standard:	Description			
	3	EN 14605	Protective clothing against liquid chemicals - Performance requirements for clothing with liquid-tight connections			
	4	EN 14605	Protective clothing against liquid chemicals - Performance requirements for clothing with spray-tight connections			
	5	EN 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 Protective clothing - Performance requirements and test methods for protective clothing against infective agents			
	В	EN 14126				
		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			
	TYP3	TYP 4	TYP 6 EN14126 EN 1149-5 EN 1073-2			
Material:	SMS PF	nonwoven laminated with PE film	1.			



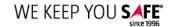
Product description:

The ChemSafe protective suit from DACH provides reliable protection against chemicals even when pressurized up to 1.5 bar and against infectious agents.

All advantages at a glance:

- The ergonomic cut offers a high degree of freedom of movement.
- The elastic waist area ensures a flexible fit with every movement and elastic arm cuffs with thumb loops for secure closure with gloves.
- The comfortable hood guarantees an optimal fit without slipping during work even with respirator and goggles.
- The cover flap of the double two-way zipper is self-adhesive and has an extra long chin cover for increased protection against liquids.
- All seams are welded and taped over to prevent liquids from penetrating through the seams.
- Reinforced material in the knee area to ensure optimum safety in all working positions.

Product performance:	Physical properties	Physical properties						
	Property	Norm	Unit	Result	EN Class/Passed			
	Abrasion resistance	EN 530 Met. 2	Cycles	> 2000	6			
	Flexural strength	EN ISO 7854	Cycles	> 100.000	6			
	Tear resistance	EN ISO 9073-4	N	> 20	Passed			
	Tensile strength	EN ISO 13934-1	N	> 60	Passed			
	Puncture resistance	EN 863	N	> 10	Passed			
	Surface resistance	EN 1149-1, EN 1149-5	Ω	<1,3 x 10 ⁸	Passed			
	Flame test	EN 13274-4 (Met. 3)	-	-	Passed			
	Seam strength - Trench tensile test	EN ISO 13935-2, EN 13034	N	> 125	Passed			
	pH value of the aqueous extract	EN ISO 3071, EN ISO 13688	pH	6.3	Passed			
	Resistance to penetration of liquid chemicals according to EN ISO 6529:2003:							
	Chemical	Chemical		EN class	Penetrati on Index [%]	EN class		
	Sulfuric acid (30%)		> 95	3	<1	3		
	Sodium hydroxide (10%)	Sodium hydroxide (10%)		3	<1	3		





	Butanol-n	> 95	3	<1	3		
	Xylene	> 95	3	<1	3		
	Resistance to permeation of liquid chemicals acc	Resistance to permeation of liquid chemicals according to ISO 6529:2003					
	Chemical	Normalized breakthrough time at 1.0 μg / (min x cm²) > 480 min > 480 min		EN class			
	Sulfuric acid (30%)			6			
	Caustic soda (10%)			6			
	Protection against infectious agents according to	erding to EN 14126:2004					
	Test method	Norm	Unit	Result	EN class		
	Resistance to penetration of blood and body fluids - with synthetic blood.	ISO 16603	kPa	20	6		
	Resistance to penetration of contaminated liquids - with bacteriophages	ISO 16604	kPa	20	6		
	Resistance to penetration of infectious agents due to mechanical contact.	EN ISO 22610	min	> 75	6		
	Resistance to penetration of contaminated liquid aerosols	ISO 22611	CFU*	Log ₁₀ > 5	3		
	Resistance to penetration of contaminated solid particles	EN ISO 22612	CFU*	Log ₁₀ ≤ 1	3		
	CFU = colony forming units			I			
	Performance of the whole suit						
	Test method	Norm		EN Class/Passed			
	Type 3: Jet test	EN ISO 17491-3		Passed			
	Type 4: Spray tight	EN 14605, EN ISO 17491-4		Passed			
	Type 5: Particle tightness test	EN ISO 13982, EN ISO 13982-2		Passed			
	Protection from radioactive particles	EN 1073-2		2			
Sizes:	M - XXXL	1		1			





Colour:	Yellow		
Packaging and variants:	Packaging	Quantity	
variants.	Bag	1 pcs.	
	Shipping carton	25 pcs.	
GTIN:	54/M	4049825004165	
	54/L	4049825004172	
	54/XL	4049825004189	
	54/XXL	4049825004196	
	54/XXXL	4049825004202	
Use:	For single use. Please read the instructions for use before use. Check the protective suit for any damage. Do not use the protective suit if it is damaged.		
Storage:	Store dry in original packaging without direct sunlight. (see packaging)		
	If the storage conditions are observed, the product has a storage life of 10 years. (see labeling on the product)		
Environmental sustainability and	In the case of contaminated products, the type and extent of contamination determines the disposal, and the applicable laws and regulations of the relevant country must be followed.		
disposal:	A non-contaminated product can be thermally recycled or disposed of in landfills without releasing toxic substances.		

