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

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|--------------------------|----------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification: | CAT III according to the Personal Protective Equipment (PPE) Regulation (EU) 2016/425. | | |
| Protection class: | Type | 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 |
| | 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 |

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| | EN 1073-2 | Protective clothing against radioactive contamination - Part 2: Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination | | | | | |
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| Material: | SMS PP nonwoven laminated with PE film. | | | | | | |
| Product description: | <p>The ChemSafe protective suit from DACH provides reliable protection against chemicals even when pressurized up to 1.5 bar and against infectious agents.</p> <p>All advantages at a glance:</p> <ul style="list-style-type: none"> ▪ 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. | | | | | | |

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| Product performance: | Physical properties | | | | |
| | <i>Property</i> | <i>Norm</i> | <i>Unit</i> | <i>Result</i> | <i>EN Class/Passed</i> |
| | 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 |

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|------------------------------------------------------------------------------|------------------------------------------------------|----------|-----------------------|----------|
| 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 | Repellency index [%] | EN class | Penetration Index [%] | EN class |
| Sulfuric acid (30%) | > 95 | 3 | < 1 | 3 |
| Sodium hydroxide (10%) | > 95 | 3 | < 1 | 3 |
| Butanol-n | > 95 | 3 | < 1 | 3 |
| Xylene | > 95 | 3 | < 1 | 3 |
| Resistance to permeation of liquid chemicals according to ISO 6529:2003 | | | | |
| Chemical | Normalized breakthrough time at 1.0 µg / (min x cm²) | | EN class | |
| Sulfuric acid (30%) | > 480 min | | 6 | |
| Caustic soda (10%) | > 480 min | | 6 | |
| Protection against infectious agents according 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 | | | | |
| 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 | | |
| Colour: | Yellow | | |

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