ChemMax<sup>®</sup> 1







## Lightweight coverall for Type 3 & 4 protection against a wide range of chemicals - 87gsm.

- · Very lightweight, soft and flexible fabric.
- Low noise level improved comfort and safety.
- Very cost effective Type 3 & 4 chemical protection.
- Infectious Agent Barrier passes at highest classes in all four EN 14126 bio-hazard tests (version used extensively by UK Government health workers in 2015 West African Ebola Crisis).
- Cushioned double-layer knee pads for increased comfort and safety.
- Improved Super-B style coverall: superior fit, wearability and durability.
- Three-piece hood, inset sleeves and diamond crotch gusset results in best fitting garment on the market.
- New design three-piece hood with tapered centre piece for superior face and respirator mask fit.
- New higher neck and zip flaps for improved face/neck protection.
- Double zip & storm flap front fastening for safe and secure protection.

Physical Properties						
		ChemMax® 1	Brand A	Brand B		
Property	EN Standard	CE Class	CE Class	CE Class		
Abrasion Resistance	EN 530	2	5	3		
Flex Cracking	ISO 7854	1	3	6		
Trapezoidal Tear	ISO 9073	3	1	2		
Tensile Strength	EN 13934	3	3	2		
Puncture Resistance	EN 863	2	2	2		
Surface Resistivity	EN 1149	Pass	Pass	Pass		
Seam Strength	EN 13935-2	170N	>125N	>125N		

## Permeation Test Data \*

Liquid chemicals from EN 6529 Annex A. For a full list of chemicals tested see Permeation Data Tables or Chemical Search at www.lakeland.com/europe. Tested at saturation unless stated.

		ChemMax® 1	Brand A	Brand B
Chemical	CAS No.	CE Class	CE Class	CE Class
Acetone	67-64-1	NT	NT	1
Acetonitrile	70-05-8	NT	NT	lmm
Carbon Disulphide	75-15-0	NT	NT	lmm
Dichloromethane	75-09-2	NT	NT	lmm
Diethylamine	209-89-7	3	NT	lmm
Ethyl Acetate	141-78-6	NT	NT	lmm
n-Hexane	110-54-3	lmm	NT	lmm
Methanol	67-56-1	lmm	NT	6
Sodium Hydroxide (30%)	1310-73-2	6	6	6
Sulphuric Acid (96%)	7664-93-9	6	6	6
Tetrahydrafurane	109-99-9	NT	NT	lmm
Toluene	95-47-6	NT	NT	Imm

cm<sup>2</sup> in controlled laboratory conditions at 23°c. It is NOT the point at which breakthrough first occurs. For safe use times see Selection Guide and PermaSURE®.

Areas shaded green indicate where ChemMax<sup>®</sup> 1 is either equal to or better than the equivalent brand A and B products.



## Clothing For Protection against Hazardous Chemicals

Selecting the right chemical suit for the job is vital to ensure not only are workers properly protected but that they are not overprotected – which could mean paying more than you need for PPE and that workers suffer more discomfort than necessary.



For more information about the factors that contribute to ensuring you select the most appropriate and effective chemical suit for the job, along with details on how to assess safe-wear times, download our **Guide to Chemical Suit Selection** 



SATEA BS EN ISO 901 BS EN ISO 901 BS ENTRA SATEA Certificate No. 91974 Contraction 19174 Contraction 1

\* Competitor brand results are from competitors' own websites and were correct at the time of publication. Users are recommended to check up to date information with competitors before making any assessment based on specific chemicals. Other chemical test results may be available from competitors.



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