## SafeGard<sup>™</sup>GP





Available in: White Blue

Not all styles are available from European stock in this fabric. Please contact our sales office for information on stock items.

Entry level SMMS based hazardous dust (Type 5) and liquid aerosol (Type 6) protective coverall with high comfort level.

Serged (stitched) overlocked

seams

- 45gsm SMMS fabric with high breathability and superior level of comfort.
- Air permeability over 10 times that of flash-spun polyethylene or microporous film laminates.
- Air permeability negates generation of the bellows effect which on low-breathable fabrics encourage penetration of particles through seams and closures.
- Double-sided tape to zipper cover to allow safe and secure seal over the zip.
- Lakeland "Super-B" ergonomic styling unique combination of three design elements to optimise fit, durability and freedom of movement.
- Three piece hood for rounder head shape and greater comfort.
- Inset sleeves torso shaped to body to mazimise freedom of movement and negate the need for thumbloops.
- Two piece crotch gusset enhances freedom of movement and reduced crotch splitting.

Physical Properties								
		MicroMax® NS /TS	MicroMax®	SafeGard® GP	SafeGard® 76	Flashspun PE		
Property	EN Std	CE Class	CE Class	CE Class	CE Class	<b>CE Class</b>		
Abrasion Resistance	EN 530	2	1	2	2	2		
Flex Cracking	ISO 7854	4	5	5	5	6		
Trapezoidal Tear	ISO 9073	2	3	3	3	1		
Tensile Strength	EN 13934	1	1	1	1	1		
Puncture Resistance	EN 863	1	2	1	1	2		
Anti-static (Surface Resistance)	EN 1149-1	Pass* (<2.5 x 10 <sup>9</sup> Ω)	Pass* (<2.5 x 10 <sup>9</sup> Ω)	Pass* (<2.5 x 10 <sup>9</sup> Ω)	Pass* (<2.5 x 10 <sup>9</sup> Ω	Pass* (<2.5 x 10 <sup>9</sup> Ω		
Seam Strength	EN 13935-2	3	3	3	3	3		

\* According to EN 1149-5

Chemical Repellency and Penetration EN 6530										
	Micro NS	Max® /TS	<sup>(®</sup> MicroMax®		SafeGard® GP		SafeGard® 76		Flashspun PE	
Chemical	R	Р	R	Р	R	Р	R	Р	R	Р
Sulphuric Acid 30% CAS No. 67-64-1	3	3	3	3	3	3	3	3	3	3
Sodium Hydroxide CAS No. 1310-73-2	3	3	3	3	3	3	3	3	3	3
O-Xylene CAS No. 75-15-0	3	2	3	3	NT	NT	NT	NT	1	1
Butanol CAS No. 75-09-2	3	2	3	3	NT	NT	NT	NT	2	1

Breathability - measured by air permeability and moisture vapour transmission rate (MVTR)								
	MicroMax® NS/TS	MicroMax®	SafeGard® GP		Flashspun PE	Cotton T-shirt		
Air permeability cubic feet/minute (cfm)	<0.5	<0.5	40	40	~3.3	180		
MVTR	119.3	NT	NT	NT	111.2	NT		

## Infectious Agent / Biological Hazard Protection

Tested according to EN 14126. This consists of four different tests to assess protection against different forms of classification. Note these tests are on fabric only. We would always recommend a garment with sealed seams such as MicroMax® TS for protection against infectious agent hazards.

Test Description	Test No.	MicroMax® NS/TS	SafeGard® GP/76	Flashspun PE
Protection against blood and body fluids	ISO 16604:2004	6 (max is 6)	Not recommended	<1
Protection against biologically contaminated aerosols	ISO 22611:2003	3 (max is 3)	Not recommended	1
Protection against dry microbial contact	ISO 22612:2005	3 (max is 3)	Not recommended	1
Protection against mechanical contact with substances containing contaminated liquids	EN 14126:2003 Annex A	6 (max is 6)	Not recommended	1



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## Clothing For Protection against Type 5 and 6 Hazards

## Essential Guide to Garment Selection

There are many different brands of Type 5 & 6 coveralls in the market - yet there are only three essential types of fabrics used to make them. So which fabric is the best choice? That depends on the application and the balance to be achieved between protection, comfort and durability.



\* 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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