



# ChemMax<sup>®</sup> 4 Plus

*Heavy Duty Chemical Splash Protection that is high in performance and comfort!*

Supported by

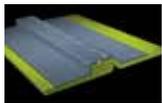


## Maximum Protection!

- Advanced chemical barrier
- Heat Sealed seams on all styles
- Respirator Fit Hoods for maximum protection
- Expanded chemical data with higher hold-out times
- Protective boot "socks" on select styles

### Specifications:

**Fabric:** ChemMax<sup>®</sup> 4 Plus



**Seams:** Heat Sealed

**Colors:** Yellow and Tan



## Maximum Features!

*Respirator Fit Hoods standard on all hooded styles*

*Seams sewn and heat sealed with chemical protective tape*

*Storm flap closure over zipper with pressure sensitive tape to secure*



**ChemMax® 4 Plus Physical Properties**

Property	Test Method	Units	ChemMax® 4 Plus
Basis Weight	ASTM D3776	oz/sy	7.5
Grab Tensile MD	ASTM D5034	pounds	93.4
Grab Tensile XD		pounds	80.3
Trapezoidal Tear MD	ASTM D5733	pounds	24.4
Trapezoidal Tear XD		pounds	18.7
Ball Burst	ASTM D751	pounds	83

**ChemMax® 4 Plus Permeation Testing - ASTM F1001**

Challenge Chemical	CAS Number	Physical State	ChemMax® 4
Acetone	67-64-1	Liquid	>480
Acetonitrile	75-05-8	Liquid	>480
Ammonia Gas	7664-41-7	Gas	>480
1,3-Butadiene Gas	106-99-0	Gas	>480
Carbon Disulfide	75-15-0	Liquid	>480
Chlorine Gas	7782-50-5	Gas	>480
Dichloromethane	75-09-2	Liquid	>480
Diethylamine	109-89-7	Liquid	>480
Dimethyl Formamide	68-12-2	Gas	>480
Ethyl Acetate	141-78-6	Liquid	>480
Ethylene Oxide Gas	75-21-8	Gas	>480
n-Hexane	110-54-3	Liquid	>480
Hydrogen Chloride Gas	7647-01-0	Gas	>480
Methanol	67-56-1	Liquid	>480
Methyl Chloride Gas	74-87-3	Gas	>480
Nitrobenzene	98-95-3	Liquid	>480
Sodium Hydroxide, 50%	1310-73-2	Liquid	>480
Sulfuric Acid, 98%	7664-93-9	Liquid	>480
Tetrachloroethylene	127-18-4	Liquid	>480
Tetrahydrofuran	109-99-9	Liquid	>480
Toluene	108-88-3	Liquid	>480

ND = None Detected

> = greater than

L = liquid

G = gas

Numbers reported are averages of samples tested by the ASTM F739 test method. Sample results do vary and therefore averages for these results are reported.

**Warnings:**

1. ChemMax® 4 Plus is not flame resistant and should not be used around heat, flame sparks, or in potentially flammable or explosive environments.
2. Garments made of ChemMax® 4 Plus should have slip resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur.

**Note:** Chemical Resistance Data is in accordance with ASTM F-739 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratory conditions and not actual use conditions.

**Style Numbers:**



**Coverall PS42110 (Tan)**

- Collar
- Storm Flap over Zipper
- Elastic Wrists and Ankles

Sizes: S – 5X

Case Pack: 6

**Coverall PS42132 (Tan)**

- Respirator Fit Hood
- Storm Flap over zipper
- Elastic face, wrists and Ankles

Sizes: S – 5X

Case Pack: 6

**Coverall PS41151 (Yellow)  
PS42151 (Tan)**

- Respirator-fit hood
- Storm flap over zipper
- Elastic face and wrists
- Attached boots

Sizes: S – 5X

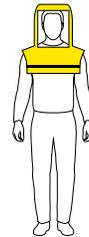
Case Pack: 6

**Coverall PS41165 (Yellow)  
PS42165 (Tan)**

- Attached respirator-fit hood
- Double storm flap
- Hook and loop closure
- Elastic face and wrists
- Attached boots with boot flaps

Sizes: S – 5X

Case Pack: 6



**Coverall PS42166 (Tan)**

- Respirator Fit Hood
- Double Storm Flap with hook and loop closure
- Elastic Wrists and Ankles

Sizes: S – 5X

Case Pack: 6

**Hood Short Bib Style PS41714 (Yellow)**

- 20 mil PVC lens.

Sizes: One Size

Case Pack: 6

**Boot Covers PS41740 (Yellow)**

- Elastic top

Sizes: One Size

Case Pack: 12 pair



**Level B Encapsulated Suit PS41400 (Yellow)**

- Rear entry
- Flat back
- 48" zipper
- Double storm flap
- 20 mil PVC face shield
- Elastic wrists
- 1 exhaust port with shroud
- Air tube inlet
- Attached sock boots with boot flap
- Suit is not gas/vapor tight

Sizes: M – 4XL

Case Pack: 3



**Level B Encapsulated Suit PS41450 (Yellow)  
PS42450 (Tan)**

- Rear entry
- Expanded back
- 48" zipper
- Double storm flap
- 20 mil PVC face shield
- Elastic wrists
- 2 exhaust ports with shroud
- Air tube inlet
- Attached sock boots with boot flap
- Suit is not gas/vapor tight

Sizes: M – 4XL

Case Pack: 3

Supported by



Calculate safe use times and access information on 4,000+ chemicals with PermaSURE.



Protect Your People™

800-645-9291 | 256-350-3873 | info@lakeland.com | lakeland.com

ChemMax® 4 Plus is a registered trademark of Lakeland Industries Inc. All rights reserved. PermaSure® is Patent pending, the Copyright and Trade Mark of Industrial Textiles & Plastics Ltd.