

CHEMMAX[®] 4 PLUS

Superior, Advanced Chemical Protection.
Now Supported by PermaSURE[®]

ChemMax[®] 4 Plus
Applications

Hazardous Materials
Response

Toxic Industrial Chemicals
Petrochemical



Heat Sealed
Seam



ChemMax 4 Plus is the next generation of ChemMax[®] 4 fabrics and provides a new gateway to extensive chemical data like you've never had before. ChemMax 4 Plus is superior, advanced chemical protection, and is at the top-of-the-line for chemical protective clothing. Constructed with a 6-layer protective system, it will stand up to the toughest and most hazardous chemical environments.

ChemMax 4 Plus products offer heat sealed seams with a range of configurations including coveralls with respirator-fit hoods and encapsulated suits, all compatible with the PermaSURE[®] Toxicity Risk Modeller.

ChemMax[®] 4 Plus Encapsulated Configurations



**Level B Encapsulated Suit
C4T400Y**

- Rear entry
- Flat back
- 48" zipper
- Double storm flap
- 20 mil Vinyl 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
C4T450T – Tan
C4T450Y – Yellow**

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

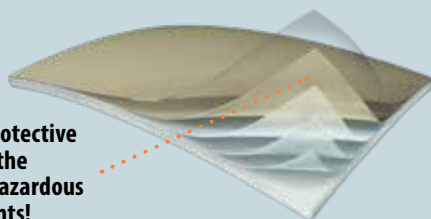
Sizes: M – 4XL
Case Pack: 3

CHEMMAX 4 PLUS

What's All The Fuss About Plus?!

Advanced Engineering, that's what!

ChemMax[®] 4 Plus has a chemical barrier that gives higher holdout times than our previous ChemMax[®] 4 material!

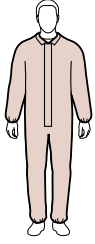


Lakeland's 6 Layer Protective System stands up to the toughest and most hazardous chemical environments!

Available Colors: Yellow and Tan



ChemMax® 4 Plus Configurations



Coverall C4T110T

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

Sizes: S – 5X
Case Pack: 6



Coverall C4T132T – Tan C4T132Y – Yellow

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

Sizes: S – 5X
Case Pack: 6



Coverall C4T151T – Tan C4T151Y – Yellow

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

Sizes: S – 5X
Case Pack: 6



Coverall C4T165T – Tan C4T165Y – Yellow

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

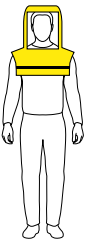
Sizes: S – 5X
Case Pack: 6



Coverall C4T166T

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

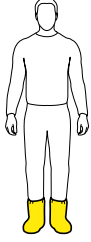
Sizes: S – 5X
Case Pack: 6



Hood Short Bib Style C4T714Y

- 20 mil Vinyl lens

Sizes: One Size
Case Pack: 6



Boot Covers C4T740YP

- Elastic top

Sizes: One Size
Case Pack: 12 pair

ChemMax® 4 Plus Physical Properties

Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz./sq. yd	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
Surface Resistance	EN1149	Ω	Pass

ChemMax® 4 Plus Permeation Testing - ASTM F1001

Challenge Chemical	CAS Number	Physical State	Normalized Breakthrough
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.

