

CHEMMAX® 1

Your First Level of Chemical Protection

ChemMax® 1 Applications

Waste Water Treatment

High and Low PH Chemicals

Hazardous Liquid Spray

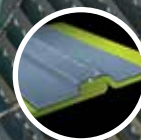
 **Lakeland®**



Serged Seam



Bound Seam

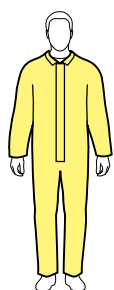


Heat Sealed Seam

ChemMax® 1 is constructed with a unique polyethylene barrier film and a continuous filament polypropylene nonwoven fabric. ChemMax® 1 garments bar many harmful contaminants from penetrating to inner clothing. Available with serged, bound and sealed seams for scalability.

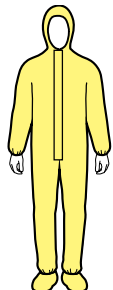
ChemMax® 1 provides economical, lightweight protection against most industrial acid and base chemicals. Bloodborne pathogen and viral protection make it a cost-effective option for waste water treatment facilities. ChemMax® 1 also meets the requirements of EN-1149 for Electrostatic Properties.

ChemMax® 1 Coveralls



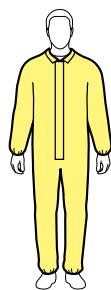
Coverall C1S412Y
Serged Seam

- Zipper with storm flap
- Sizes: S – 5XL
Case Pack: 25



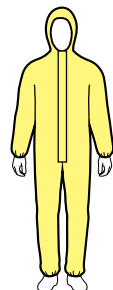
Coverall C1S414Y
Serged Seam
C1B414Y
Bound Seam

- Zipper with storm flap
 - Attached hood
 - Attached boots
 - Elastic wrists
- Sizes: S – 5XL
Case Pack: 25



Coverall C1S417Y
Serged Seam
C1B417Y
Bound Seam

- Zipper with storm flap
 - Elastic wrists
 - Elastic ankles
- Sizes: S – 5XL
Case Pack: 25



Coverall C1S428Y
Serged Seam
C1B428Y
Bound Seam

- Zipper with storm flap
 - Attached hood
 - Elastic wrists
 - Elastic ankles
- Sizes: S – 5XL
Case Pack: 25



Coverall C1T110Y
Sealed Seam

- Collar
 - Storm flap over zipper
 - Elastic wrists
 - Elastic ankles
- Sizes: S – 5XL
Case Pack: 6



Coverall C1T130Y
Sealed Seam

- Zipper with storm flap
 - Elastic face
 - Elastic wrists
 - Elastic ankles
- Sizes: S – 5XL
Case Pack: 6



Coverall C1T150Y
Sealed Seam

- Zipper with storm flap
 - Attached hood
 - Elastic wrists
 - Attached boots
- Sizes: S – 5XL
Case Pack: 6



Coverall C1T151Y
Sealed Seam

- Respirator-fit hood
 - Storm flap over zipper
 - Elastic face and wrists
 - Attached boots
- Sizes: S – 5XL
Case Pack: 6

ChemMax® 1 Brand Features

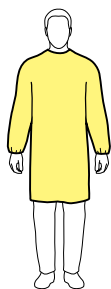
Infectious Disease and Bloodborne Pathogen tested (sealed seam configuration)

Available in multiple seam configurations

Excellent Protection for High and Low PH Chemicals (Acids and Bases)

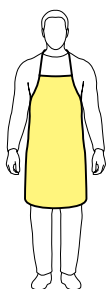
Passes ASTM D6978 Fentanyl

ChemMax® 1 Configurations



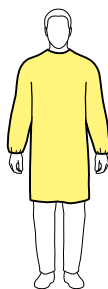
**Gown
C1S27Y**

- Open back
 - Long sleeve
 - Elastic wrists
 - Sewn ties
- Sizes: 30" x 40"
Case Pack: 6



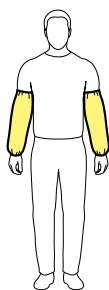
**Apron
C1S650Y**

- Sewn ties
- Sizes: 28" x 36"
Case Pack: 100



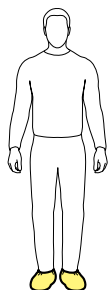
**Apron
C1B657Y**

- Long sleeves
 - Waist ties
- Sizes: 28" x 53"
Case Pack: 50



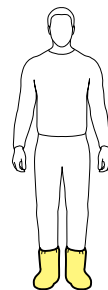
**Sleeve
C1S850YP-18**

- Elastic ends
- Sizes: 18" length
Case Pack: 100 pair



**Shoe Cover
C1S901YP**

- Elastic ankles
- Sizes: S/M, L/XL, 2X
Case Pack: 200 pair



**Boot Covers
C1S903YP**

- Elastic top
 - 17" high
- Sizes: S/M, LG/XL, 2X
Case Pack: 200 pair

ChemMax® 1 Physical Properties

Property	Test Method	Units	Test Results
Basis Weight	ASTM D3776	oz./sq. yd	2.29
Grab Tensile MD	ASTM D5034	pounds	35
Grab Tensile XD		pounds	27
Trapezoidal Tear MD	ASTM D5733	pounds	13.8
Trapezoidal Tear XD		pounds	14.2
Ball Burst	ASTM D751	pounds	25.5

Permeation Data for ASTM Recommended List of Chemicals for Evaluating Protective Clothing Materials (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	imm.
1,3-Butadiene Gas	106-99-0	Gas	imm.
Carbon Disulfide	75-15-0	Liquid	>480
Chlorine Gas	7782-50-5	Gas	imm.
Dichloromethane	75-09-2	Liquid	imm.
Diethylamine	109-89-7	Liquid	imm.
Dimethyl Formamide	68-12-2	Gas	imm.
Ethyl Acetate	141-78-6	Liquid	imm.
Ethylene Oxide Gas	75-21-8	Gas	>480
n-Hexane	110-54-3	Liquid	imm.
Hydrogen Chloride Gas	7647-01-0	Gas	imm.
Methanol	67-56-1	Liquid	imm.
Methyl Chloride Gas	74-87-3	Gas	imm.
Nitrobenzene	98-95-3	Liquid	45 minutes
Sodium Hydroxide 50%	1310-73-2	Liquid	>480
Sulfuric Acid, 96%	7664-93-9	Liquid	315 minutes
Tetrachloroethylene	127-18-4	Liquid	imm.
Tetrahydrofuran	109-99-9	Liquid	imm.
Toluene	108-88-3	Liquid	imm.

For Fentanyl Test Results using ASTM D6978 refer to page 10

ND = None Detected

> = greater than

L = liquid

G = gas

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

Warnings:

1. ChemMax® 1 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® 1 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.

