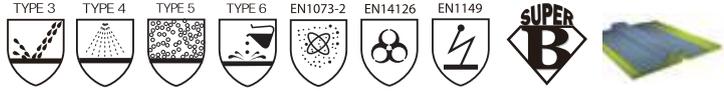


# ChemMAX® 1



CT1S428

## FEATURES

- High density polyethylene film barrier laminated to spunbonded polypropylene substrate. Very lightweight, soft and flexible fabric.
- Coverall with elasticated hood cuffs and ankles and double zip & storm flap front fastening.
- Low noise level - improved comfort and safety.
- Very cost effective Type 3 & 4 chemical protection.
- Cushioned double-layer knee pads for increased comfort and safety.
- Super-B style coverall: superior fit, wearability and durability.

## KEY APPLICATIONS

- ▶ Tank cleaning and liquid chemical storage vessel cleaning.
- ▶ Pressure spray applications.
- ▶ Agricultural spraying and agricultural chemical applications.
- ▶ Chemical spill Handling.
- ▶ Acid and Alkali handling.

Physical Property	Test Method	Test Result
Abrasion Resistance (No of cycles)	EN530:1994 method 2	100-500
Flex Cracking Resistance	EN ISO7854:1997 method B	1000-2500
Tensile Strength (MD/CD)	EN ISO 13934-1:1999	120N/73N
Tear Resistance (MD/CD)	ISO9073-4:1997	81.5N/43.6N
Puncture Resistance	EN863:1995	13N
Burst Strength	ISO13938-1:1999,50cm <sup>2</sup>	63.7KPa
Seam Strength	EN ISO 13935-2:1999	170N
Electrostatic properties	EN1149-1:2006/EN1149-5:2008	Pass



## ChemMAX® 1 EB

**ChemMax® 1 EB was specifically designed for a greater choice of options that are more flexible, provide greater comfort and are high cost effective.**

- Type 3&4 certified according to EN 14605.
- Superior ergonomic styling for improved freedom of movement, comfort and durability.
- Three-piece hood, inset sleeves, diamond crotch gusset.
- Single zip with sealable zip flap, thumb loops.

### ChemMAX® 1 Styles



428,Coverall Coverall with hood, elastic cuffs, waist & ankles.



414,Coverall Coverall with hood and attached boot, elastic cuffs, waist & ankles.



145, coat Coat with hood, zipper closure, elastic cuffs & waist.



301,Pants Pants with elastic waist and ankles.



650,Apron Attached ties. Size:122x96cm



019,Smock Long sleeve, attached ties, Size:135x79cm



Cape hood PVC face shield.



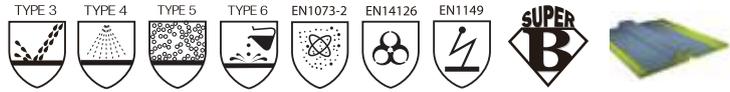
024,Sleeve Elastic ends Size: 18" length



905,Boot Cover anti-skid PE sole, elastic top.

Product Style	Color	Seam Method	Sizes	Case Pack
CT1S428/CT1S414	Yellow ●	Heat Sealed Seam	SM-3X	10
CT1SL428IEB	Yellow ●	Heat Sealed Seam	SM-3X	25

# ChemMAX<sup>®</sup> 2



CT2S428

## FEATURES

- Saranex<sup>®</sup>23P barrier film bonded to a flexible bi-component spunbonded substrate provides excellent chemical protection in a soft and flexible fabric.
- Constructed with stitched and taped seams for superior protection and strength.
- Design features for double zip / storm flap front fastening for improved protection and quick and easy donning and removal.
- Lightweight and flexible material for optimum comfort and protection.
- Reinforced knee-pads for comfort and durability.
- Saranex<sup>®</sup> film provides excellent protection with strength and flexibility for durability and comfort.
- White color for easy identification.
- ChemMAX 2 is an excellent alternative to the more expensive types of suit available.
- Super-B style coverall: superior fit, wearability and durability.

## KEY APPLICATIONS

- ▶ Hazardous chemical handling.
- ▶ Industrial demolition applications.
- ▶ Pressure spray applications.
- ▶ Waste disposal.
- ▶ Chemical spill handling.

Physical Property	Test Method	Test Result
Abrasion Resistance	EN530:2010 method 2	> 2000
Puncture Resistance	EN863:1995	24N
Flex Cracking Resistance	ISO7854:1997 method B	> 2500, < 5000
Burst Strength	EN ISO 13938-2:1999	145kPa
Tensile Strength (MD/CD)	EN ISO 13934-1:1999	300N/150N
Tear Resistance (MD/CD)	EN ISO 9073-4:1997	193.98N/92.09N
Seam Strength	EN ISO 13935-2:1999	148.3N
Electrostatic properties	EN1149-1:2006/EN1149-5:2008	Pass

### ChemMAX<sup>®</sup> 2 Styles



428, Coverall  
Coverall with hood,  
elastic cuffs, waist  
& ankles.  
Double front zip  
fastening,  
cushioned  
kneepads.

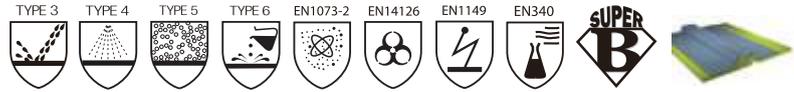


Cape hood PVC  
face shield.

Product Style	Color	Seam Method	Sizes	Case Pack
CT2S428	White ○	Heat Sealed Seam	SM-3X	10



# ChemMAX<sup>®</sup> 3



CT3S428

Limited use coverall made using multi-layer composite technology featuring a proprietary barrier film laminated SBPP to enable an effective high barrier to a wide range of hazardous chemicals.

## PermaSURE

### FEATURES

- Works with Lakeland's PermaSURE<sup>®</sup>; on-line tool providing instant safe-use times for over 4000 chemicals.
- Extruded fabric construction results in smoother and more consistent fabric than bonded or glued competitors.
- Fabric is tested against a full range of chemical warfare agents for anti-terror and civil defence operations.
- Superior softness and flexibility and more consistent chemical.
- Coverall with elasticated hood, cuffs, waist and ankles. Double zip and storm flap front fastening.
- Very low noise level. Safer and improved comfort.
- Cushioned double-layer knee pads for increased comfort and safety.
- Super-B style coverall: superior fit, wearability and durability.

### KEY APPLICATIONS

- ▶ High hazard chemical applications.
- ▶ Hazardous waste disposal.
- ▶ Industrial demolition applications.
- ▶ Petrochemical plant applications.
- ▶ Chemical spill handling.
- ▶ Military applications requiring chemical protection or protection against chemical warfare agents.

Physical Property	Test Method	Test Result
Abrasion Resistance	EN530:2010 method 2	> 2000
Puncture Resistance	EN863:1995	18N
Flex Cracking Resistance	ISO7854:1997 method B	> 15000
Burst Strength	EN ISO 13938-2:1999	112.3kPa
Tensile Strength (MD/CD)	EN ISO 13934-1:1999	170N/110N
Tear Resistance (MD/CD)	EN ISO 9073-4:1997	134.44N/72.7N
Seam Strength	EN ISO 13935-2:1999	165.3N
Electrostatic properties	EN1149-1:2006/EN1149-5:2008	Pass

### ChemMax 3<sup>®</sup> Styles



428, Coverall with hood, elastic cuffs, waist & ankles. Double front zip fastening, cushioned kneepads.



527, Smock Long sleeve, attached ties, Size: 135x79cm



430 Coverall "Plus" version with attached boot flap and double cuffs.



400 Level B encapsulated suit Rear entry, PVC face shield. Flat back, which can connect the air tube.



450 Level B encapsulated suit Rear entry, PVC face shield. Expanded back for SCBA.

Product Style	Color	Seam Method	Sizes	Case Pack
CT3S428	Grey, Orange ● ●	Heat Sealed Seam	SM-3X	10
CT3S430G/CT3S400G/CT3S450G	Grey, Orange ● ●	Heat Sealed Seam	SM-3X	1

# ChemMAX® 4 Plus



Throat Tab

Double zipper with double flap

CT4S428PS

ChemMAX® 4 Plus Styles



428, Coverall  
Coverall with hood,  
elastic cuffs, waist  
& ankles.  
Double front zip  
fastening,  
cushioned  
kneepads.



430 Coverall  
"Plus" version  
with attached  
boot flap and  
double cuffs.



400 Level B  
encapsulated suit  
Rear entry, PVC  
face shield.  
Flat back, which  
can connect the  
air tube.



450 Level B  
encapsulated  
suit  
Rear entry, PVC  
face shield.  
Expanded back  
for SCBA.

Works with Lakeland's PermaSURE®; on-line tool providing instant safe-use times for over 4000 chemicals. Multi-layer, high barrier films laminated to spunbonded PP substrate. Tough and durable fabric – can be used multiple times if undamaged and un-contaminated.



## FEATURES

- Extruded fabric construction. Results in smoother and more consistent fabric than bonded or glued competitors.
- Superior softness and flexibility and more consistent chemical barrier.
- Fabric is tested against a full range of chemical warfare agents for anti-terror and civil defence operations.
- Cushioned double-layer knee pads for increased comfort and safety.
- Coverall with double zip & storm flap front fastening and elasticated hood, cuffs, waist and ankles.
- Super-B style coverall: superior fit, wear-ability and durability.

## KEY APPLICATIONS

- ▶ Petrochemical and refining applications
- ▶ Chemical handling and distribution
- ▶ Chemical clean-ups and spill management
- ▶ Contaminated land clearance
- ▶ Military applications requiring chemical protection or protection against chemical warfare agents

Multi-Layer protective barrier that will stand up to the toughest of hazardous chemical.



Physical Property	Test Method	Test Result	EN Class
Tensile Strength	EN 13934-2	218/150 N	3
Abrasion Resistance	EN 530	2000 Cycles	6
Puncture Resistance	EN 863	15.4 N	2
Burst Strength	EN 13938	-	NT
Flex Cracking	ISO 7854	1000 Cycles	1
Flex Cracking -30°C	ISO 7854	200 Cycles	2
Trapezoidal tear md/cd	ISO 9073	101/87 N	4
Trapezoidal tear-mean	ISO 9073	90 N	4
Resistance to Ignition	EN 13274-4	-	Pass
Seam Strength	EN 13935	125 N	4

Product Style

CT4S428PS/CT4S430PSG/CT4S450PSG/CT4S400PSG

Color

Yellow, khaki ● ●

Seam Method

Heat Sealed Seam

Sizes

SM-3X

Case Pack

1



Scan QR code to  
download catalogues

## MARK SAFETY APPLIANCES

 **Regd. Office, Warehouse & Workshop:**  
Plot No. 92, 93, Shah Industrial Park-3 at Kotambi,  
Pin Code 391510, Vadodara-Halol Highway,  
Dist. Vadodara, Gujarat, India.

 02668 299065, 098797 79661

 [info@marksafety.com](mailto:info@marksafety.com)

 [www.marksafety.com](http://www.marksafety.com)

Connect us:     