

# Quality

## Body Protection

For complete size  
and item numbers, visit  
[malt.impact-products.com](http://malt.impact-products.com)

**MALT**   
by **impact**  
[www.malt.impact-products.com](http://www.malt.impact-products.com)

Malt specializes in large quantity shipping by container lots. If your company already purchases in container quantities, or if you would like information about doing so, please contact your Malt Sales Representative. Container pricing is available for most products the same day it is requested. Malt also offers personalized labeling at no extra charge on container loads of product. This allows you to customize each case of product with your company name and logo and adds a special touch of personalization to the products you are distributing. If you have any questions about container purchasing, please contact us at 1.888.539.6258.

ProMax®, ProMax II®, and PyroMax® are registered trade marks of Malt Industries, Inc. Tyvek®, Tychem QC®, Tychem® SL, Tychem® BR, and Tychem® TK are registered trademarks of the DuPont™ company. ChemMax® is a registered trademark of Lakeland Industries.

**IT IS THE RESPONSIBILITY OF THE USER TO:**

- Review and understand available information about the appropriate use of the garment;
- Carefully inspect the garment for damage before and after use;
- To obtain proper training in the correct use, handling, storage maintenance and disposal of the garment;
- Verify that the garment meets all specified government and industry standards for user's specific application;

**WARNING: TO AVOID SERIOUS INJURY, INCLUDING POTENTIALLY DEADLY CHEMICAL EXPOSURE YOU SHOULD IMMEDIATELY DISCONTINUE THE USE OF GARMENT IF FABRIC BECOMES TORN, SCRATCHED OR PUNCTURED .**

Malt Industries makes no further warranties of any kind, expressed or implied, including, without limitation, no warranties of merchantability or fitness for a particular use.

Malt **values** each and every customer whether large or small. We are a company committed to **excellence**. We strive to present each one of our customers with the **best** possible prices, **quality** products, and **dependable** service.



Dear Customer,

Malt Industries, Inc. was established in 1998 and since then has grown to be a leader in the limited use and protective apparel industry. Over the years, Malt has experienced steady growth throughout the company. We have expanded our product lines and increased our staff and facilities. We are now better equipped more than ever to meet the growing needs of our valued customers.

Malt is proud to serve our customers with superior customer service and an extensive product catalog. We have completely redesigned our catalog for your ordering convenience. We hope this information will be a valuable resource for your company. If you need further information or assistance please feel free to contact us at 1.888.539.6258.

We continue to pride ourselves in offering our customers the best possible prices, quality products, and dependable service. As we continue to grow, we hold to our family atmosphere and value every customer large or small, offering a personal touch that larger companies are unable to provide.

Malt Industries, Inc. remains a company committed to excellence. If you are an existing customer, we hope you are aware of how important you are to us. If you are not yet one of our valued customers, we challenge you to give us the opportunity to prove our level of commitment to excellence and our policy of treating every customer like family.







# PRODUCTS

PolyLite .....	4
ProLite .....	6
ProMax II.....	8
ProMax .....	10
ProKool.....	12
PyroMax .....	14
DuPont™ Tyvek® .....	20
DuPont™ Tychem® QC .....	26
DuPont™ Tychem® SL.....	28
DuPont™ Tychem® F.....	30
DuPont™ Tychem® Thermo Pro .....	31
DuPont™ Tychem® CPF3.....	32
DuPont™ Tychem® BR.....	34
DuPont™ Tychem® LV .....	34
DuPont™ Tychem® TK .....	36
DuPont™ Tychem® Training Suit.....	37
Accessories For Garments .....	37
ProChem.....	38
MVA Aprons, Sleeves & Gowns .....	42
Urethane Aprons & Sleeves .....	43
Vinyl Aprons & Sleeves .....	44
Polyethylene Aprons, Sleeves & Bootcovers .....	46
Denim Aprons & Sleeves.....	47
Rainwear .....	48
Bouffants .....	48
Hairnets .....	48
Beardnets.....	48

In order to better serve you, we have completely redesigned our catalog for your ordering **convenience**. We offer extensive product knowledge and we hope this information will be a **valuable resource** as you serve the daily needs of your customers. If ever you need further information or assistance, please feel free to contact your sales representative or our customer service department at **1.888.539.6258**.



# POLYLITE<sup>®</sup>

Malt's disposable polypropylene garments are ideal for use in nonhazardous environments such as hospitals, clinics, laboratories, food processing facilities and painting applications. Made of **cool, comfortable and lightweight polypropylene**, these garments are available in a variety of colors. Stocking colors are blue and white.

POLYPROPYLENE<sup>®</sup>





# POLYLITE®

Some items may be available with knit cuffs or elastic wrists. These garments are available in a variety of colors. **Stocking colors are blue and white.** Consult your Malt sales representative.

## M1200

coverall, zipper, elastic wrists & ankles  
S – 6X  
25 EACH  
11 Lbs



## M1400

coverall, zipper, attached hood, elastic wrists & ankles  
S – 5X  
25 EACH  
11 Lbs



## M1500

coverall, zipper, attached hood, boots, elastic wrists  
S – 6X  
25 EACH  
11 Lbs



## M1710

lab coat, snaps, no pockets, long sleeve  
S – 7X  
30 EACH  
7 Lbs



## M1730

lab coat, snaps, 2 pockets, long sleeve  
S – 5X  
30 EACH  
7 Lbs



## M1900

shirt, snaps, long sleeves  
S – 5X  
50 EACH  
9 Lbs



## M2000

pants, elastic waist  
S – 5X  
50 EACH  
9 Lbs



## M2105

shoecover, regular  
L/XL 16"  
150 PR.  
8 Lbs



## M2105-N/S-16

shoecover non-skid  
L/XL 16"  
150 PR.  
8 Lbs



## M2105-N/S-18

shoecover non-skid  
2X 18"  
150 PR.  
8 Lbs



## M2110

bootcover, regular  
XL  
100 PR.  
4 Lbs



## M2300

hood, elastic face, covers shoulders  
UNIVERSAL  
100 EACH  
4 Lbs



## M2302

hood, elastic face, elastic neck  
1000/cs  
9 Lbs



## M2400

sleeve, elastic ends  
18" length  
200 EACH  
5 Lbs



## M2500

apron, sewn ties  
28x36  
100 EACH  
9 Lbs



## M2900

yellow ISO gown, long sleeve  
XL  
50 EACH  
8 Lbs



## M3000LB-K/C

gown, long sleeves, attached ties, knit cuffs  
XL  
50 EACH  
10 Lbs



## MSK-005

poultry smock  
XL – 2X  
50 EACH  
5 Lbs



## MWS-2700

wrap smock, long sleeves, attached ties, elastic wrists  
S – 5X  
50 EACH  
10 Lbs



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

PE-COATED POLYPROPYLENE®

# PROLITE®

Polycoated spunbond fabric acts as a particulate barrier providing maximum fluid protection. These garments offer high **strength** and **toughness**, yet are **soft, comfortable,** and **affordable.**





# PROLITE<sup>®</sup>

Some items may be available with knit cuffs or elastic wrists. These garments are available in a variety of colors. Consult your Malt sales representative.

## M1130

coverall, zipper  
S – 5X  
25 EACH  
13 Lbs



## M1230

coverall, zipper, elastic  
wrists and ankles  
S – 5X  
25 EACH  
12 Lbs



## M1830

lab coat, snaps,  
2 pockets, long sleeve  
S – 5X  
30 EACH  
12 Lbs



## M1630

coverall, zipper, hood,  
boots, elastic wrists  
S – 5X  
25 EACH  
15 Lbs



## M1810

lab coat, snaps,  
no pockets, long sleeve  
S – 6X  
30 EACH  
12 Lbs



## M2205

shoecovers  
L/XL  
100 PR.  
10 Lbs



## M1930

shirt, snaps, long  
sleeves  
S – 5X  
50 EACH  
7 Lbs



## M2030

pants, elastic waist  
S – 5X  
50 EACH  
14 Lbs



## M2410

sleeve, elastic ends  
18" length  
200 EACH  
4 Lbs



## M2210

bootcovers  
L/XL  
100 PR.  
12 Lbs



## M3030-K/C

gown, long sleeves,  
attached ties, with  
knit cuffs  
S – 5X  
50 EACH  
16 Lbs



## M2510

apron, sewn ties  
28 x 36  
100 EACH  
11 Lbs



## M1430

coverall, zipper, hood,  
elastic wrists & ankles  
S – 5X  
25 EACH  
13 Lbs



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

# PROMAX II<sup>®</sup>

Our exclusive ProMax II<sup>®</sup> is a 3 ply material consisting of one layer of meltblown polypropylene bonded between 2 layers of spunbond polypropylene. These garments are strong, fluid resistant and breathable. Providing maximum comfort and durability, ProMax II<sup>®</sup> is an optimal mix of protection and comfort at an affordable price. **These garments are available in a variety of colors. Stocking colors are blue and white.**





# ProMax II®

Providing **maximum comfort** and **durability**, these garments are strong, fluid resistant and breathable.

## ProMax II® (SMS) OVERVIEW

- A three-layer spunbonded-meltblown-spunbonded polypropylene fabric
- Ideal for a number of applications where non-toxic particles are present
- Comfortable, lightweight fabric available in a variety of garment styles
- Color: Light Blue or White
- Seam: Serged

**Typical Applications:** general maintenance, janitorial services, food processing, construction, or any nonhazardous job where you need to keep clean.

Product Number M1740

## PHYSICAL PROPERTIES

PHYSICAL PROPERTIES	TEST METHODS	RESULTS
Tensile Strength (MD)	ASTM D5034	25.9 lbs
Trapezoidal Tear (MD)	INDA IST 100.2	9.2 lbs
Elongation (MD)	ASTM D5034	45%
Mullen Burst	ISO 13938-1	36.4 psi
Static Decay (>0.5 sec)	NFPA 99	PASS
Flammability	CPSC 1610	Class 1
BARRIER PROPERTIES	TEST METHOD	RESULTS
Hydrohead	AATCC 127-1998	72.8 cm
COMFORT PROPERTIES	TEST METHOD	RESULTS
Air Permeability	ASTM D737	42 cfm
MVTR	ASTM E96	4639 g/m <sup>2</sup> /24 hr



**M1140**  
coverall, zipper  
S – 6X  
25 EACH  
6 Lbs



**M1240**  
coverall, elastic wrists & ankles  
S – 5X  
25 EACH  
6 Lbs



**M1440**  
coverall, hood, elastic wrists & ankles  
S – 5X  
25 EACH  
7 Lbs



**M1540**  
coverall, hood, boot, elastic wrists  
S – 5X  
25 EACH  
8 Lbs



**M1740**  
lab coat, 3 pockets, knit cuff and collar  
XS – 5X  
30 EACH  
7 Lbs



**M2215B**  
blue shoe covers  
L/XL  
100 PR.  
10 Lbs



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

# PROMAX<sup>®</sup>

ProMax has become a leading alternative fabric in the industry. ProMax continues to be a cost effective alternative that provides **comfort, durability, and protection**. ProMax is a microporous polyolefin fabric. Its inherent composition makes it suitable for many commercial applications such as:

- Asbestos Abatement
- General Maintenance
- Food processing with chemicals
- Paint spraying and pesticides, etc.



## PHYSICAL PROPERTIES

▪ Fabric Weight	ASTM D3776-96	1.87 oz/yd <sup>2</sup>
▪ Tear Strength	ASTM D57733-95	
	MD	11.1 lbs
	CMD	5.8 lbs
▪ Ball Burst	ASTM D3787-89	24.03 psi
▪ Breaking Strength and Elongation:	ASTM D5034-95	82.9 %
Breaking Strength	ELONGATION	123.0 %
	MD	31.7lbs
	CMD	23.1lbs
▪ Water Resistance Hydrostatic Test:	AATCC127-95	161.0 cm
▪ Air Permeability:	ASTM D737-96	BELOW 1.23 CFN/ft <sup>2</sup>
▪ Flammability:	16CFR 1610 CLASS 1	
▪ Water Vapor Transmission Rate	ASTM E96-95, METHOD B WBTR 744	

## CHEMICAL TESTING

Bleach - 5%(household)	Motor Oil (40W)
Diazinon (4ox. per gallon)	Sodium Hydroxide
Hydraulic Jack Oil	Mineral Oil
Isocyanate Based Paint Hardener	



# ProMax<sup>®</sup>



Other sizes and styles available.  
Consult your Malt sales representative.

Product Number M1012

## M1012

coverall, zipper  
S – 6X  
25 EACH  
7 Lbs



## M1014

coverall, zipper, attached hood, boot & elastic wrists  
S – 6X  
25 EACH  
10 Lbs



## M1017

coverall, zipper, elastic wrists & ankles  
S – 6X  
25 EACH  
8 Lbs



## M1028

coverall, zipper, hood, elastic wrists & ankles  
S – 6X  
25 EACH  
9 Lbs



## M1010

lab coat, snap front, no pockets, long sleeve  
S – 6X  
30 EACH  
8 Lbs



## M1020

lab coat, snap front, 2 pockets, long sleeve  
S – 5X  
30 EACH  
7 lbs



## M1040

18" sleeves, elastic both ends  
18"  
100 PR.  
10 Lbs



## M1050

hood  
UNIVERSAL  
100 EACH  
7 Lbs



## M1060

apron, sewn ties  
28 x 36  
100 EACH  
11 Lbs



## M1070

shoecover  
XL  
200 PR.  
10 Lbs



## M1071

shoecover, vinyl sole  
XL  
200 PR.  
11 Lbs



## M1080

bootcover  
XL  
200 PR.  
12 Lbs



## M1081

bootcover, vinyl sole  
XL  
200 PR.  
13 Lbs



## M1090

shirt, long sleeve  
S – 5X  
50 EACH  
7 Lbs



## M1095

pants, elastic waist  
S – 5X  
50 EACH  
7 Lbs



## M1802

bouffant cap  
21"  
500 EACH

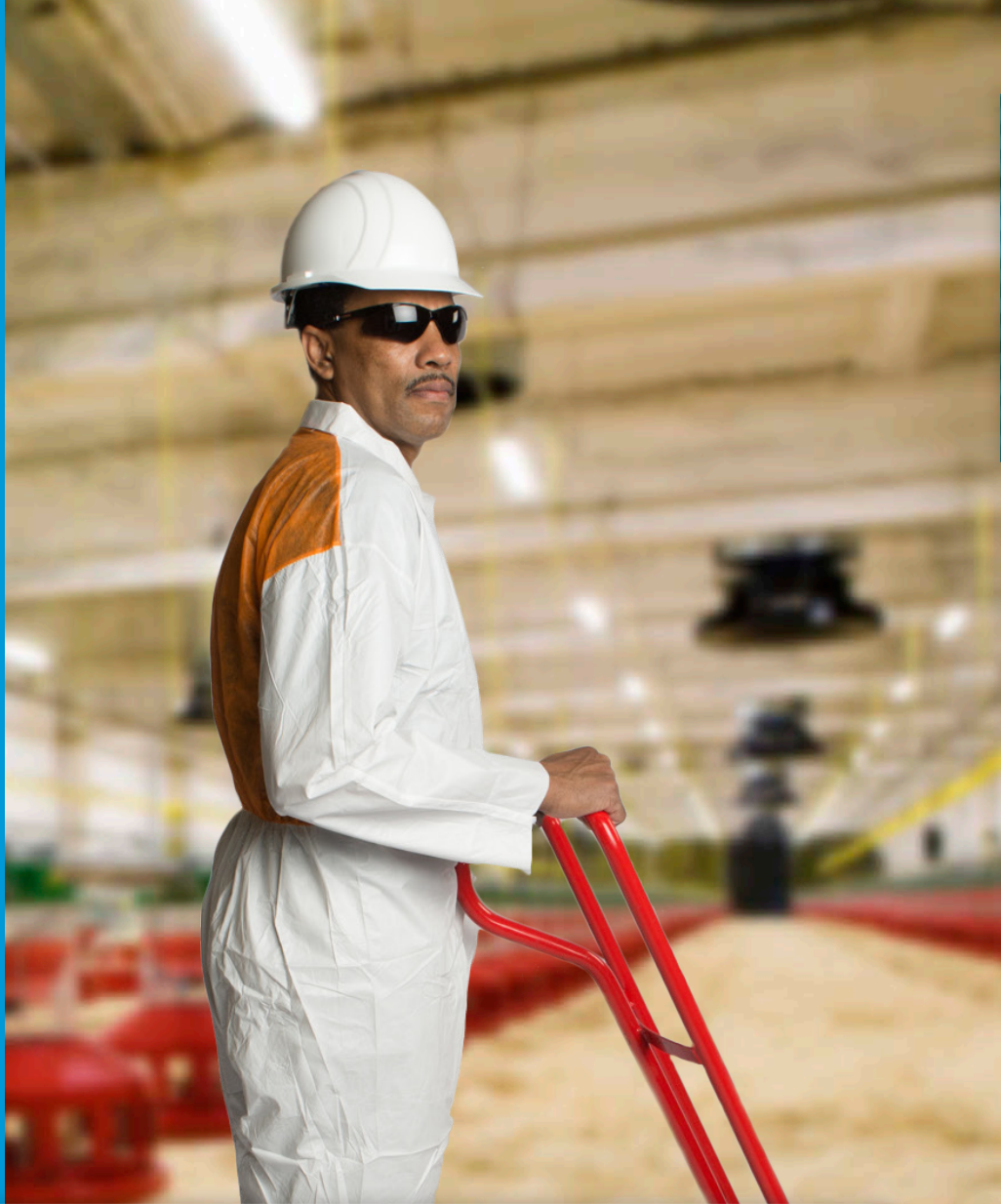


It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

# PROKOOOL<sup>®</sup>

ProKool offers the industry leading protection of our Promax coverall with the added comfort and breathability of a cool polypropylene back panel, offering an added comfort option with the same protection you have come to know, in applications like:

- Asbestos Abatement
- General Maintenance
- Food processing with chemicals
- paint spraying
- pesticide applications.



## PHYSICAL PROPERTIES

▪ Fabric Weight	ASTM D3776-96	1.87 oz/yd <sup>2</sup>
▪ Tear Strength	ASTM D57733-95	
	MD	11.1 lbs
	CMD	5.8 lbs
▪ Ball Burst	ASTM D3787-89	24.03 psi
▪ Breaking Strength and Elongation:	ASTM D5034-95	82.9 %
Breaking Strength	ELONGATION	123.0 %
	MD	31.7lbs
	CMD	23.1lbs
▪ Water Resistance Hydrostatic Test:	AATCC127-95	161.0 cm
▪ Air Permeability:	ASTM D737-96	BELOW 1.23 CFN/ft <sup>2</sup>
▪ Flammability:	16CFR 1610 CLASS 1	
▪ Water Vapor Transmission Rate	ASTM E96-95, METHOD B WBTR 744	

## CHEMICAL TESTING

Bleach - 5%(household)	Motor Oil (40W)
Diazinon (4ox. per gallon)	Sodium Hydroxide
Hydraulic Jack Oil	Mineral Oil
Isocyanate Based Paint Hardener	



# PROKOOOL<sup>®</sup>

Polypropylene back available in orange and navy blue.

ProKool is a cost effective alternative providing superior protection with the new option of cool comfort. The back panel of the ProKool coverall is constructed of polypropylene. This offers light particulate protection and allows you to stay much cooler with this added breathability.

## MPK1012

microporous coverall, zipper, collar, navy blue or orange polypropylene back, open wrist & ankles  
S - 5X  
25 EACH  
7 Lbs



## MPK1028

microporous coverall, zipper, hood, navy blue or orange polypropylene back, elastic wrist & ankles  
S - 5X  
25 EACH  
9 Lbs



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

# PYROMAX<sup>®</sup>

PyroMax<sup>®</sup> offers superior strength, wet or dry, over other traditional fire retardant disposable garments. PyroMax<sup>®</sup> is breathable, making this a cool and comfortable garment to wear. When worker efficiency and comfort are important, PyroMax<sup>®</sup> garments are the critical choice.





# PYROMAX<sup>®</sup>

Available in White and Blue.  
Other sizes and styles available.

**MP7412**  
**MP7412B (blue)**  
coverall, zipper  
S – 5X  
25 EACH  
15 Lbs



**MP7414**  
**MP7414B (blue)**  
coverall, zipper,  
attached hood, boots,  
elastic wrists  
S – 5X  
25 EACH  
17 Lbs



**MP7417**  
**MP7417B (blue)**  
coverall, zipper, elastic  
wrists & ankles  
S – 5X  
25 EACH  
15 Lbs



**MP7428**  
**MP7428B (blue)**  
coverall, zipper,  
attached hood, elastic  
wrists & ankles  
S – 5X  
25 EACH  
16 Lbs



## PYROMAX<sup>®</sup>

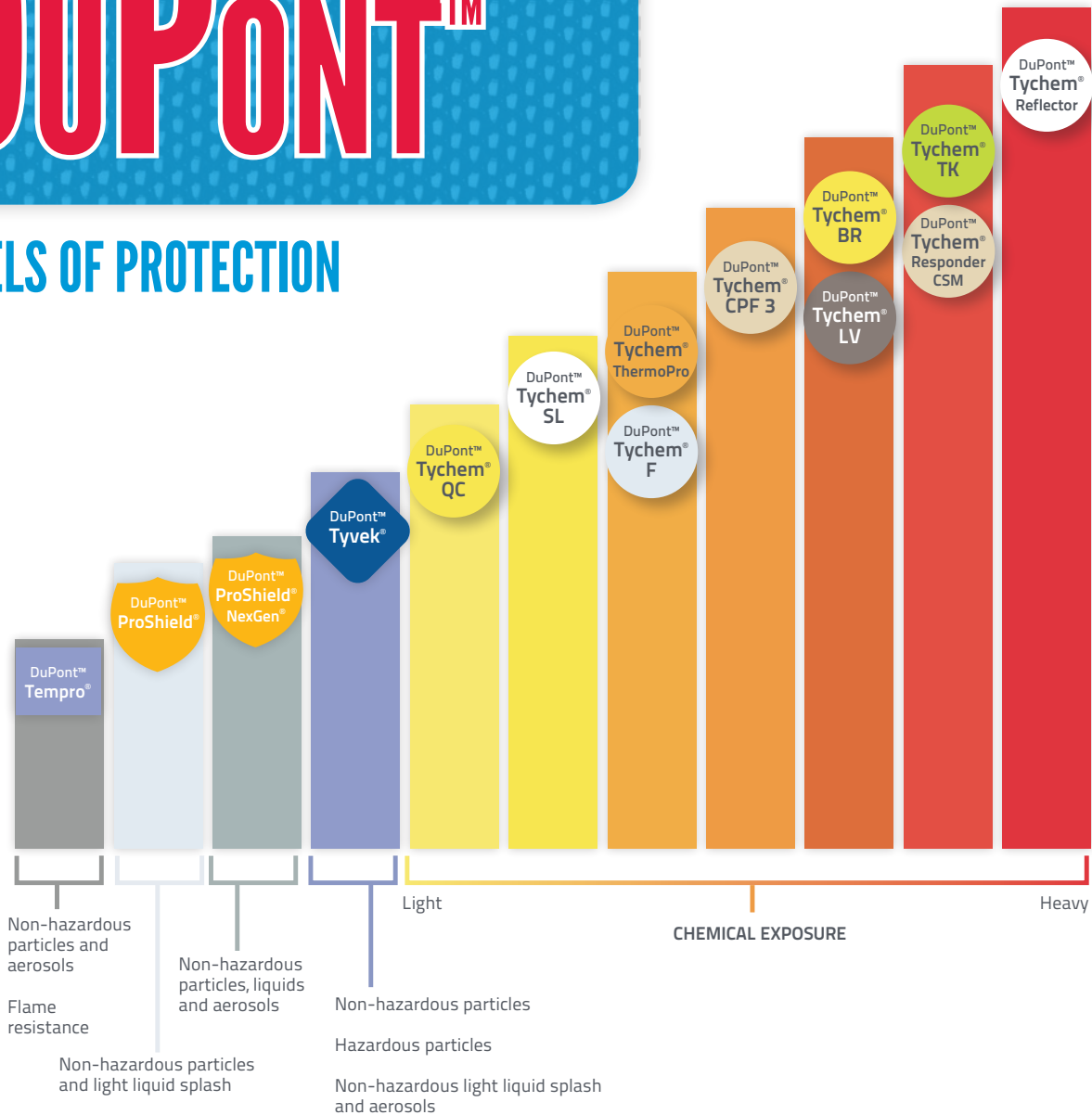
Strength	CHARACTERISTIC	TEST APPLIED	RESULTS
	Basic Weight	PFG Method	(oz/yd).....2.4 (g/m).....67
Flame Retardant Capabilities	Grab Tensile	ASTM D1117/D1682	MD (lbs/kg)...31/11
	Trap Tear	Modified Grab	XD(lbs/kg)....20/9.0
	Vertical Flammability	ASTM D1117/D1682	MD(lbs/kg)...4.5/2.0 XD(lbs/kg)...5.6/2.5
	Afterflame	NFPA-701-2010	Pass
		CAN/CGSB 4.2	Pass
		FTMS 191 A	>2 Sec.
Electrostatic Dissipation	Char Length	Method 5903	MD(inches).....3.70
		FTMS 191 A	XD(inches).....3.70
		Method 5903	
Breathability	Ignition Point	Modified Muffle Furnace	1,000 F
	Charge Decay	NFPA 99	Pass
	Resistivity (ohms/square)	ASTM-D-257	2x10
	Air Permeability (cfm)	IST 70.1	52

It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

# DuPont™

## HIGH LEVEL PROTECTION

## LEVELS OF PROTECTION



## SEAM CONSTRUCTION

Serged or Sewn\*



A seam produced when multiple threads are interlocked around the raw edges of two pieces of material for a strong, stress-resistant seam.

Bound\*



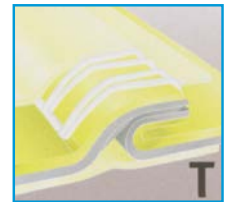
Tightly sewn with a reinforced outer binding to increase seam strength and barrier. For potential misting exposure of non-hazardous liquids or particle penetration through the seam.

Taped Thermobond®



Both sewn and taped to provide strong chemical resistance against heavy liquid splashes and tough seam stress. A sewn seam is covered with a strip of compatible material by heat-sealing.

Double Taped Thermobond® Max



Sewn, then taped on the inside and the outside of the seam for a very strong chemical- and stress-resistance seam.



## DUPONT™ TYVEK® AND GENERAL PROTECTION PRODUCTS

Garment	Typical general industrial hazards/Description/Examples																			
	Non-hazardous								Hazardous											
	Particles			Aerosol	Light liquid splash*				Particles										Aerosol	Flame** resistance
	General dirt & grime	Animal waste	Sanding & grinding waste	Spray paints	Oil & grease	Lubricants	Fertilizer	Sewage	Fertilizer	Pesticides	Asbestos	Lead	Chromium	Beryllium	Mold	Fiberglass	Carbon	Radioactive particles	Isocyanate	
Tyvek®	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
ProShield® NexGen®	○	○	○	●	●	●	●	●												
ProShield®	○	○	○	○	○	○	○	○												
Tempo®	○	○	○	○	○	○												●		

● Generally preferred      ○ Acceptable for use

## DUPONT™ TYCHEM® CHEMICAL PROTECTION PRODUCTS

Garment	Typical general industrial hazards/Examples								NFPA Ensembles				
	Hazardous dry powders & solids	Bloodborne pathogens & biohazards	Light chemical splash & aerosols	Moderate liquid chemical splash	Potential flash fire exposure & liquid organic chemicals	Heavy liquid chemical splash (toxics & corrosives)	ChemBio & warfare agents	Chemical vapors & gases (toxics & corrosives)	1991	1992	1994	2112	70E Cat 2
<b>Brands</b>	Dry pharma chemicals	Blood, saliva, human excrement	Inorganic acids and bases, salts	Organics, solvents	Meth-amphetamine	Known carcinogens	Sarin, Mustard, VX nerve agent	Chlorine, anhydrous ammonia					
<b>Exposure</b>													
Tychem® QC	●	●	●*										
Tychem® SL	●	●	●*										
Tychem® F		●	○	●			●						
Tychem® CPF 3		●	○	●			●		●				
Tychem® BR		○	○	●		○	●		●	●			
Tychem® LV		○	○	●		○	●		●	●			
Tychem® TK		○	○	●		●	●	●	●	●			
Tychem® ThermoPro		○	○	●	●		●		●	●	●		●
Tychem® Reflector®		○	○	●		●	●	●	●	●			
Tychem® Reflector® CSM		○	○	●		●	●	●	●	●			

● Generally preferred      ○ Acceptable for use      \* Serged and/or bound seams are degraded by some hazardous liquid chemicals, such as strong acids and should not be worn when these chemicals are present.

## PERMEATION DATA



TYCHEM® QC\*

TYCHEM® SL\*

TYCHEM® F

### 21 INDUSTRIAL CHEMICALS ASTM F1001

	CAS #	PHYSICAL PHASE	TYCHEM® QC*	TYCHEM® SL*	TYCHEM® F
Acetone	67-64-1	L	imm.	imm.	>480
Acetonitrile	75-05-8	L	imm.	68	157
Ammonia	7664-41-7	G	imm.	32	79
1,3,-Butadiene	106-99-0	G	imm.	>480	>480
Carbon Disulfide	75-15-0	L	imm.	imm.	>480
Chlorine	7782-50-5	G	imm.	>480	>480
Dichloromethane	75-09-2	L	imm.	imm.	imm.
Diethylamine	109-89-7	L	imm.	12	>480
N, N-Dimethylformamide	68-12-2	L	imm.	78	>480
Ethyl Acetate	141-78-6	L	imm.	imm.	>480
Ethylene oxide	75-21-8	G	imm.	imm.	65
n-Hexane	110-54-3	L	imm.	imm.	>480
Hydrogen Chloride	7647-01-0	G	imm.	>480	>480
Methanol	67-56-1	L	imm.	>480	77
Methyl Chloride	74-87-3	G	imm.	>480	>480
Nitrobenzene	98-95-3	L	imm.	102	>480
Sodium Hydroxide, 50%	1310-73-2	L	<480	>480	>480
Sulfuric Acid (98%)	7664-93-9	L	<480	>480	>480
1,1,2,2-Tetrachloroethylene	127-18-4	L	imm.	imm.	>480
Tetrahydrofuran	109-99-9	L	imm.	imm.	464
Toluene	108-88-3	L	imm.	imm.	>480

### CHEMICAL WARFARE AGENTS\*\*

Lewsite (L)	541-25-3	L	nt	>360 <sup>1</sup>	>360 <sup>2</sup>
Mustard (HD)	505-60-2	L	nt	>180 <sup>1</sup>	>720 <sup>2</sup>
Tabun (GA)	77-81-6	L	nt	nt	>720 <sup>4</sup>
Sarin (GB)	107-44-8	L	nt	>360 <sup>3</sup>	>720 <sup>4</sup>
Soman (GD)	99-64-0	L	nt	nt	>720 <sup>4</sup>
VX Nerve Agent	50782-69-9	L	nt	>480 <sup>3</sup>	>720 <sup>4</sup>



**INDEX OF CODES:** > = greater than;  
imm. = immediate (less than 10  
minutes); nt = not tested;  
L = liquid; G = gas

\*\* Actual Breakthrough Time in minutes; standardized breakthrough time not available.

Chemical warfare agents are tested according to the following protocols:

<sup>1</sup> Protocol: DM3-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 12 hours @ 10 g/m<sup>2</sup>

<sup>2</sup> Protocol: DM4-MIL-STD-282, Method T-209 (HD) or modified for Lewisite, for 12 hours @ 100 g/m<sup>2</sup> (total coverage).

<sup>3</sup> Protocol: DN5-MIL-STD-282, Method T-208 (GB) or modified for GA, GD, and VX, for 12 hours @ 10 g/m<sup>2</sup>

<sup>4</sup> Protocol: DN6-MIL-STD-282, Method T-208 (GB) or modified for GA, GD, and VX for 12 hours @ 100 g/m<sup>2</sup> (total coverage).

All tests are performed at 22°C and 50% R.H. Actual Breakthrough Times, in minutes, are reported.

## MID LEVEL PROTECTION



21 INDUSTRIAL CHEMICALS ASTM F1001	CAS #	TYCHEM® THERMOPRO	TYCHEM® CPF3	TYCHEM® BR/LV	TYCHEM® TK
Acetone	67-64-1	>480	>480	>480	>480
Acetonitrile	75-05-8	>480	imm	>480	>480
Ammonia	7664-41-7	>480	12	46	>480
1,3-Butadiene	106-99-0	>480	>480	>480	>480
Carbon Disulfide	75-15-0	>480	16	>480	>480
Chlorine	7782-50-5	>480	>480	>480	>480
Dichloromethane	75-09-2	imm.	imm.	432	432
Diethylamine	109-89-7	>480	>480	>480	>480
N, N-Dimethylformamide	68-12-2	>480	>480	>480	>480
Ethyl Acetate	141-78-6	>480	>480	>480	>480
Ethylene oxide	75-21-8	>480	>480	>480	>480
n-Hexane	110-54-3	>480	>480	>480	>480
Hydrogen Chloride	7647-01-0	>480	>480	>480	>480
Methanol	67-56-1	>480	imm.	157	157
Methyl Chloride	74-87-3	>480	>480	>480	>480
Nitrobenzene	98-95-3	>480	>480	>480	>480
Sodium Hydroxide, 50%	1310-73-2	>480	>480	>480	>480
Sulfuric Acid (98%)	7664-93-9	>480	>480	>480	>480
1,1,2,2-Tetrachloroethylene	127-18-4	>480	>480	>480	>480
Tetrahydrofuran	109-99-9	>480	>480	>480	>480
Toluene	108-88-3	>480	>480	>480	>480
<b>CHEMICAL WARFARE AGENTS**</b>					
Lewisite (L)	541-25-3	>360 <sup>2</sup>	120 <sup>1</sup>	>720 <sup>1</sup>	>720 <sup>2</sup>
Mustard (HD)	505-60-2	>720 <sup>2</sup>	120 <sup>1</sup>	>720 <sup>2</sup>	>720 <sup>2</sup>
Tabun (GA)	77-81-6	>720 <sup>4</sup>	nt	>720 <sup>3</sup>	>720 <sup>4</sup>
Sarin (GB)	107-44-8	>720 <sup>4</sup>	120 <sup>3</sup>	>720 <sup>4</sup>	>720 <sup>4</sup>
Soman (GD)	99-64-0	>720 <sup>4</sup>	>480 <sup>3</sup>	>720 <sup>3</sup>	>720 <sup>4</sup>
VX Nerve Agent	50782-69-9	>720 <sup>4</sup>	>480 <sup>3</sup>	>720 <sup>4</sup>	>720 <sup>4</sup>







# TYVEK®

## DuPONT™

DuPont™ Tyvek® is the material created by DuPont™ scientists and engineers with built in protection that can't be abraded or worn away. And now Tyvek garments deliver DuPont's™ unique comfort fit design. That means workers have a greater range of movement, improved mobility, a more tailored fit and better overall comfort.

Visit DuPont's™ interactive protection selection tool at the link below for suggestions on the appropriate garment for any scenario:



DuPont™ SafeSPEC™ 2.0  
<http://safespec.dupont.com>

# DUPONT™ TYVEK®



a **one-of-a-kind** inherent barrier, providing **superior** protection

DUPONT PART #  
**TY 120 S WH XX 0025 00**

coverall, zipper  
M – 7X  
25 EACH  
7 Lbs



DUPONT PART #  
**TY 122 S WH XX 0025 00**

coverall, zipper, hood, boots,  
elastic wrists  
M – 7X  
25 EACH  
9 Lbs



DUPONT PART #  
**TY 125 S WH XX 0025 00**

coverall, zipper,  
elastic wrists & ankles  
M – 7X  
25 EACH  
7 Lbs



DUPONT PART #  
**TY 121 S WH XX 0025 NS**

coverall, zipper,  
elastic wrists, attached non-  
skid boots  
M – 7X  
25 EACH  
7 Lbs



DUPONT PART #  
**TY 127 S WH XX 0025 00**

coverall, zipper, hood, elastic  
wrists & ankles  
M – 7X  
25 EACH  
8 Lbs



DUPONT PART #  
**TY 212 S WH xx 0030 00**

lab coat, snaps,  
2 pockets,  
long sleeve  
S – 7X  
30 EACH  
6 Lbs



DUPONT PART #  
**TY 210 S WH XX 0030 00**

lab coat, snaps,  
no pockets,  
long sleeve  
S – 7X  
30 EACH  
6 Lbs



DUPONT PART #  
**TY 303 S WH XX 0050 00**

shirt, snaps,  
long sleeves  
S – 7X  
50 EACH  
7 Lbs



DUPONT PART #  
**TY 350 S WH XX 0050 00**

pants, elastic waist  
S – 7X  
50 EACH  
7 Lbs



DUPONT PART #  
**TY 273 B WH 00 0100 00**

apron, sewn ties  
28 x 36  
100 EACH  
6 Lbs



DUPONT PART #  
**TY 657 S WH 00 0100 00**

hood, elastic face,  
covers shoulders  
ONE SIZE  
100 EACH  
8 Lbs



DUPONT PART #  
**TY 500 S WH 00 0200 00**

sleeve, elastic ends  
(18" length)  
100 PR.  
4 Lbs



Other sizes and styles available.  
**Consult your Malt sales representative.**

It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.



DuPont™ Tyvek® is a one-of-a-kind inherent barrier, providing superior protection from challenging dry particulates like asbestos, lead paint, dirt, dust, and light liquid splash. Yet the breathability of DuPont™ Tyvek® adds worker comfort, by allowing air and moisture vapor to pass through. Abrasion and tear resistant, lightweight and comfortable, DuPont™ Tyvek® garments are proven to be a superior combination of barrier, durability, and breathability.

DUPONT PART #  
**TY 450 S WH 00 0200 00**

shoecover  
(5" high)  
ONE SIZE  
100 PR.  
6 Lbs



DUPONT PART #  
**FC 454 SG Y00010000**

bootcover, elastic top, elastic ankles  
(18" height)  
ONE SIZE  
50 PR.  
6 Lbs



DUPONT PART #  
**FC 450 S GY 00 0200 00**

shoecover, elastic ankles  
(5" height)  
ONE SIZE  
100 PR.  
6 Lbs

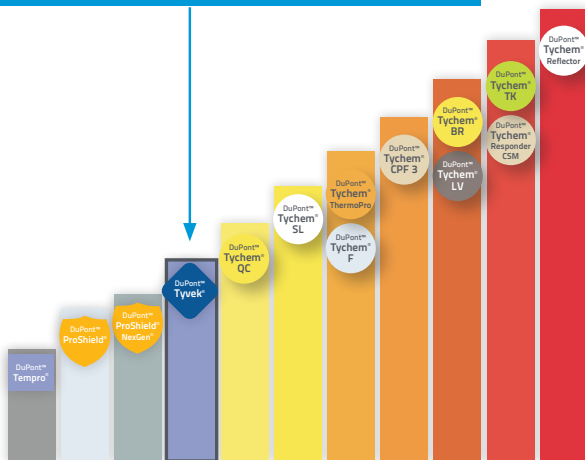


DUPONT PART #  
**TY 454 S WH 00 0100 00**

bootcover, elastic top,  
(18" high)  
ONE SIZE  
50 PR.  
10 Lbs



### DUPONT GARMENTS LEVEL OF PROTECTION



Serged or Sewn \*





DuPont<sup>®</sup>  
**Tychem<sup>®</sup>**  
**QC**  
THE PROTECTIVE SUIT





# TYCHEM<sup>®</sup>

## DuPONT<sup>™</sup>

Visit DuPont's<sup>™</sup> interactive protection selection tool at the link below for suggestions on the appropriate garment for any scenario:



DuPont<sup>™</sup> SafeSPEC<sup>™</sup> 2.0  
<http://safespec.dupont.com>

DuPont™

# TYCHEM® QC



DuPont™ Tychem® QC is an **economical** choice for many industrial plants and chemical cleanup operations. Taking the protection of DuPont™ Tyvek® and adding a polyethylene coating, these garments provide **excellent protection** against pesticides, inorganic acids, alkalies, bases, and moisture. There are a variety of seams available depending on your protection needs: **sewn seam**, **bound seam**, and for a strong chemical resistant seam a **sealed seam**, is available. These high visibility yellow garments are sure to meet your lightweight splash protection needs.

DUPONT PART #

**QC 120 S YL XX 0012 00**

(serged)

coverall, zipper  
S – 7X  
12 EACH  
9 Lbs



DUPONT PART #

**QC 122 S YL XX 0012 00**

(serged)

coverall, zipper, hood,  
boots, elastic wrists  
M – 7X  
12 EACH  
13 Lbs



DUPONT PART #

**QC 125 S YL XX 0012 00**

(serged)

coverall, zipper,  
elastic wrists & ankles  
M – 7X  
12 EACH  
11 Lbs



DUPONT PART #

**QC 127 S YL XX 0012 00**

(serged)

coverall, zipper, hood,  
elastic wrists & ankles  
M – 7X  
12 EACH  
12 Lbs



DUPONT PART #

**QC 120 B YL XX 0012 00**

(bound)

coverall, zipper  
M – 6X  
12 EACH  
9 Lbs



DUPONT PART #

**QC 122 B YL XX 0012 00**

(bound)

**QC 122 T YL XX 0004 00**  
(taped)

coverall, zipper, hood,  
boots elastic wrists  
M – 6X  
12 EACH BOUND  
4 EACH TAPED  
13 Lbs



DUPONT PART #

**QC 125 B YL XX 0012 00**

(bound)

**QC 125 T YL XX 0004 00**  
(taped)

coverall, zipper,  
elastic wrists & ankles  
M – 6X  
12 EACH BOUND  
4 EACH TAPED  
11 Lbs



DUPONT PART #

**QC 127 B YL XX 0012 00**

(bound)

**QC 127 T YL XX 0004 00**  
(taped)

coverall, zipper, hood,  
elastic wrists & ankles  
M – 6X  
12 EACH BOUND  
4 EACH TAPED  
12 Lbs



DUPONT PART #

**QC 273 B YL 00 0100 00**

apron, sewn ties  
28 x 36  
100 EACH  
9 Lbs



Other sizes and styles available.  
**Consult your Malt sales representative.**

It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.



# DUPONT™ TYCHEM® QC AVAILABLE IN SERGED SEAMS, SEWN & BOUND SEAMS AND TAPED SEAMS



Serged or Sewn\*



Bound\*



Taped Thermobond®

DUPONT PART #

**QC 278 B YL 00 0012 00**

apron, bound, attached sleeves with elastic wrists, waist ties  
52" length  
12 EACH  
9 Lbs



DUPONT PART #

**QC 500 B YL 00 0200 00**

sleeve, elastic ends  
18" Length  
100 PR.  
7 Lbs



## DUPONT GARMENTS LEVEL OF PROTECTION



DuPont™

# TYCHEM® SL

DuPont™ Tychem® SL is a lightweight fabric made from DuPont™ Tyvek® which is laminated with a chemical resistant Saranex film. DuPont™ Tychem® SL can be used in numerous industries and situations including agriculture, petrochemical manufacturing, chemical spills, and environmental cleanups. DuPont™ Tychem® SL is available in a wide range of comfortable garment configurations. From fully encapsulated suits offering level B or C protection to aprons and coveralls. DuPont™ Tychem® SL is the perfect barrier for those in the work place of hazardous liquids such as solvents, acids, bases, insecticides, and pesticides. The DuPont™ Tychem® SL garments are available in bound and sealed seams to offer the protection you need in a variety of environments.



## DuPont™ TYCHEM® SL PERMEATION DATA

for ASTM recommended list of chemicals for evaluating protective clothing materials (ASTM F1001)

CHEMICAL NAME	PHYSICAL PHASE	NORMALIZED BREAKTHROUGH TIME (MINUTES)	PERMEATION RATE (pg/cm <sup>2</sup> /min)
Acetone	L	24	1.6
Acetonitrile	L	IMMEDIATE	2.8
Ammonia (anhydrous)	G	32	0.15
1,3-Butadiene	G	>480	ND
Carbon Disulfide	L	IMMEDIATE	>50
Chlorine Gas	G	>480	ND
Dichloromethane	L	IMMEDIATE	>50
Diethylamine	L	IMMEDIATE	>50
N, N-Dimethylformamide	L	109	0.8
Ethyl Acetate	L	IMMEDIATE	6.6
Ethylene oxide	G	IMMEDIATE	8.4
n-Hexane	L	146	0.48
Hydrogen Chloride	G	>480	ND
Methanol	L	>480	ND
Methyl Chloride	G	>480	ND
Nitrobenzene	L	102	2.3
Sodium Hydroxide, 50%	L	>480	ND
Sulfuric Acid (conc.)	L	>480	ND
Tetrachloroethylene	L	IMMEDIATE	5.7
Tetrahydrofuran	L	IMMEDIATE	>50
Toluene	L	IMMEDIATE	30

ND=none detected,  
>=greater than, <=less 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.



# DUPONT™ TYCHEM® SL AVAILABLE IN BOUND OR TAPED SEAMS



Bound\*



Taped Thermobond®

DUPONT PART #  
**SL 120 B WH XX 0012 00**  
(bound)

coverall, zipper  
M – 5X  
12 EACH  
15 Lbs



DUPONT PART #  
**SL 122 B WH xx 0012 00**  
(bound)  
**SL 122 T WH xx 0006 00**  
(taped)

coverall, zipper, hood, boots,  
elastic wrists  
M – 5X  
12 EACH BOUND  
6 EACH TAPED  
12 Lbs



DUPONT PART #  
**SL 125 B WH XX 0012 00**  
(bound)  
**SL 125 T WH XX 0006 00**  
(taped)

coverall, zipper, elastic wrists  
& ankles  
M – 5X  
12 EACH BOUND  
6 EACH TAPED  
10 Lbs



DUPONT PART #  
**SL 127 B WH XX 0012 00**  
(bound)  
**SL 127 T WH XX 0006 00**  
(taped)

coverall, zipper, hood, elastic  
wrists & ankles  
M – 5X  
12 EACH BOUND  
6 EACH TAPED  
12 Lbs



DUPONT PART #  
**SL 128 T WH XX 0006 00**  
(taped)

coverall, hood,  
elastic wrists with splash  
guards, sock boots  
with boot flaps  
S – 5X  
6 EACH  
9 Lbs



DUPONT PART #  
**SL 274 B WH XX 0050 00**  
(bound)

apron  
28 x 36  
50 EACH  
18 Lbs

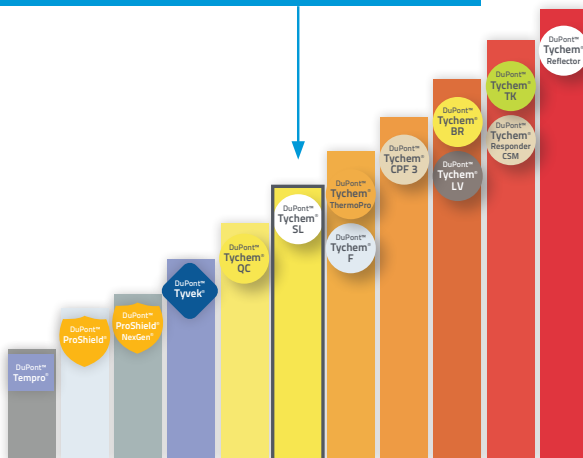


DUPONT PART #  
**SL 275 T WH XX 0025 00**  
(taped)

apron, taped, attached  
sleeves with elastic wrists,  
waist ties  
44" length  
25 EACH  
9 Lbs



## DUPONT GARMENTS LEVEL OF PROTECTION



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

**DuPont™**

# TYCHEM® F

**DUPONT PART #  
TF 145 T GY XX 0006 00**

(taped)

coverall, respirator-fit hood,  
storm flap, elastic face,  
wrists & ankles

S – 5X

6 EACH

7 Lbs

**DUPONT PART #  
TF 169 T GY XX 0006 00**

(taped)

coverall, zipper front, attached  
respirator-fit hood, storm flap,  
elastic face, wrists &  
attached boots

S – 5X

6 EACH

7 Lbs



DuPont™ Tychem® F is an **incredible advancement** for the protection of workers in the armed forces and civilian populations, where one might become exposed to chemical and/or biological warfare, or where one might encounter an industrial accident. DuPont™ Tychem® F is made to give protection to any chemical warfare agent in liquid, gas, or aerosol formats and provides a new and improved solution to those seeking an **economic and disposable** material in an individual protection suit.

## DuPont™ TYCHEM® F PERMEATION DATA

for ASTM recommended list of chemicals for evaluating protective clothing materials (ASTM F1001)

CHEMICAL NAME	PHYSICAL PHASE	NORMALIZED BREAKTHROUGH TIME (MINUTES)	PERMEATION RATE (pg/cm <sup>2</sup> /min)
Acetone	L	>480	0.06
Acetonitrile	L	157	0.19
Ammonia (anhydrous)	G	79	0.76
1,3-Butadiene	G	>480	0.07
Carbon Disulfide	L	>480	0.05
Chlorine Gas	G	>480	0.2
Dichloromethane	L	IMMEDIATE	8
Diethylamine	L	>480	>0.001
N, N-Dimethylformamide	L	>480	>0.01
Ethyl Acetate	L	>480	>0.001
Ethylene oxide	G	65	1.4
n-Hexane	L	>480	>0.001
Hydrogen Chloride	G	>480	>0.1
Methanol	L	77	0.26
Methyl Chloride	G	>480	0.004
Nitrobenzene	L	>480	>0.001
Sodium Hydroxide, 50%	L	>480	>0.1
Sulfuric Acid (conc.)	L	>480	>0.1
Tetrachloroethylene	L	>480	>0.022
Tetrahydrofuran	L	484	0.12
Toluene	L	>480	0.003



ND=none detected,  
>=greater than, <=less 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.

It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.



Other sizes and styles available. Consult your Malt sales representative.

# DuPONT™ TYCHEM® THERMOPRO



**TP 198 T GY XX 0002 00**  
**TP 198 T OR XX 0002 00**

coverall, taped, zipper, hood, elastic wrists

S - 5X  
2 EACH  
13 Lbs



**TP 199 T GY XX 0002 BN**  
**TP 199 T OR XX 0002 BN**

coverall, taped, zipper, hood, attached socks, elastic wrists

S - 5X  
2 EACH  
13 Lbs

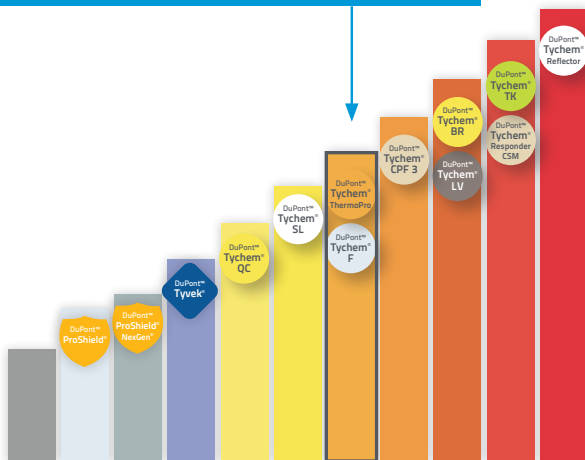


DuPont™ Tychem® ThermoPro provides triple hazard protection from chemicals, flash fire, and electric arc, combining the trusted chemical protection of DuPont™ Tychem® with the flame and arc flash protection of DuPont™ Nomex® into a single garment. DuPont™ Tychem®

ThermoPro garments provide at least 30 minutes of protection against 182 chemical challenges. Available in orange for high visibility and gray for discretionary purposes.



## DUPONT GARMENTS LEVEL OF PROTECTION



Taped Thermobond®

1.888.539.6258 | 31

DuPont™

# TYCHEM® CPF3



DuPont™ Tychem® CPF 3 is a strong and durable material with broad chemical barriers. It is composed of a multi-layer barrier film laminated to a durable 2.0 oz/yd<sup>2</sup> polypropylene fabric and provides at least 30 minutes of protection against 149 chemical challenges, making it an excellent choice for rigorous activities and rugged situations involving liquid splash, DuPont™ Tychem® CPF 3 is tan for discretionary purposes.



Other sizes and styles available.  
Consult your Malt sales representative.



**C3 122 T TN XX 0006 00**

coverall, taped seams, attached hood, zipper, storm flap with tape closure, elastic wrists, attached socks  
S - 5X  
6 EACH



**C3 125 T TN XX 0006 00**

coverall, taped seams, zipper, storm flap with tape closure, elastic wrists & ankles  
S - 5X  
6 EACH



**C3 127 T TN XX 0006 00**

coverall, taped seams, zipper, hood, storm flap with tape closure, elastic wrists & ankles  
S - 7X  
6 EACH



**C3 128 T TN XX 0006 00**

coverall, taped seams, zipper, hood, elastic wrists, attached socks, outer boot flaps  
S - 5X  
6 EACH  
12 Lbs



**C3 670 T TN XX 0006 00**

jacket, taped seams, mandarin collar, zipper, double storm flaps with hook and loop closure, elastic wrists  
S - 4X  
6 EACH



**C3360 T TN XX 0006 00**

bib overall, taped seams, adjustable webbing straps with closure  
S - 4X  
6 EACH  
9 Lbs



**C3 275 T TN XX 0006 00**

apron, taped seams, attached sleeves with elastic wrists, waist tie  
44" length  
S - 4X  
6 EACH



**C3 526 T TN XX 0006 00**

encapsulated suit (Level B), taped seams, standard faceshield (20 mil PVC), rear entry, zipper, double storm flaps with hook and loop closure, one exhaust vent, flat back, elastic wrists, boot flaps  
S - 4X  
6 EACH



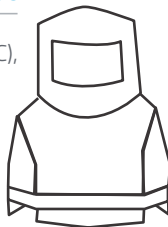
**C3 528 T TN XX 0006 00**

encapsulated suit (Level B), taped seams, standard faceshield (20 mil PVC), rear entry, zipper, double storm flaps with hook and loop closure, one exhaust vent, expanded back, elastic wrists, attached socks, boot flaps  
S - 4X  
6 EACH

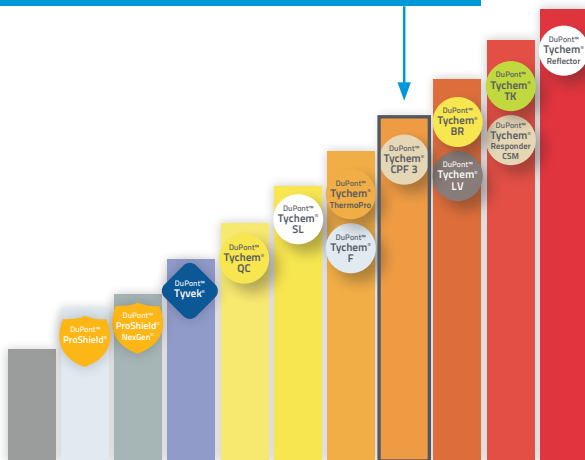


**C3 651 T TN XX 0006 00**

hood, taped seams, extra wide faceshield (20 mil PVC), pullover, hook and loop waist closure  
ONE SIZE  
6 EACH



**DUPONT GARMENTS LEVEL OF PROTECTION**



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.



Taped Thermobond®

# DuPont™ TYCHEM® BR & LV



DuPont™ Tychem® BR Protective Garments offer great freedom of movement, and are tough enough to stand up to a broad range of chemical hazards. DuPont™ Tychem® BR has been tested against more than 240 chemicals for effective level B protection. This fabric is ideal splash protection for many Hazmat and industrial applications. A multilayered barrier film laminated to a rugged, nonwoven material for extra strength, DuPont™ Tychem® BR is one of the strongest and most reliable fabrics available. All suits feature set in sleeves and durable Thermo Bond seams which are sewn and heat-sealed to help prevent rips, tears or punctures. Malt Industries specializes in being able to offer the most protection and quality in the protective clothing industry. DuPont™ Tychem® LV being one of the best in serious protection. It is able to resist any tear, puncture or abrasion that one might encounter on the job. Not only are you protected but this material is extremely comfortable, light and soft allowing you to move around easily. DuPont™ Tychem® LV can be used in a number of work environments and comes in olive drab for low visibility.



## DuPont™ TYCHEM® BR and LV PERMEATION DATA

for ASTM recommended list of chemicals for evaluating protective clothing materials (ASTM F1001)

CHEMICAL NAME	PHYSICAL PHASE	NORMALIZED BREAKTHROUGH TIME (MINUTES)	PERMEATION RATE (pg/cm <sup>2</sup> /min)
Acetone	L	>480	>0.001
Acetonitrile	L	>480	>0.003
Ammonia (anhydrous)	G	46	0.62
1,3-Butadiene	G	>480	>0.001
Carbon Disulfide	L	>480	>0.001
Chlorine Gas	G	>480	>0.01
Dichloromethane	L	432	0.06
Diethylamine	L	>480	>0.001
N, N-Dimethylformamide	L	>480	>0.001
Ethyl Acetate	L	>480	>0.001
Ethylene oxide	G	>480	>0.01
n-Hexane	L	>480	>0.001
Hydrogen Chloride	G	>480	>0.1
Methanol	L	157	0.81
Methyl Chloride	G	>480	>0.001
Nitrobenzene	L	>480	>0.001
Sodium Hydroxide, 50%	L	>480	>0.01
Sulfuric Acid (conc.)	L	>480	>0.01
Tetrachloroethylene	L	>480	>0.001
Tetrahydrofuran	L	>480	>0.001
Toluene	L	>480	>0.001

ND=none detected, >=greater than, <=less 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.





DUPONT PART #  
**BR 125 T YL XX 0002 00**  
**LV 125 T OD XX 0002 00**

coverall, collar,  
 elastic wrists & ankles  
 S – 4X  
 2 EACH  
 8 Lbs



DUPONT PART #  
**BR 127 T YL xx 0002 00**  
**LV 127 T OD xx 0002 00**

coverall, hood,  
 elastic face, elastic  
 wrists & ankles  
 S – 6X  
 2 EACH  
 8 Lbs



DUPONT PART #  
**BR 128 T YL XX 0002 00**  
**LV 128 T OD XX 0002 00**

coverall, hood,  
 respirator fit, elastic wrists,  
 sock boots with boot flaps  
 S – 4X  
 2 EACH  
 8 Lbs



**BR 528 T YL XX 0001 00**  
**LV 528 T OD XX 0001 00**

encapsulated suit (level B),  
 rear entry, expanded back,  
 20mil. PVC faceshield, 2  
 punch holes with valve  
 covers, double storm flap  
 with Velcro, sockboots with  
 boot flaps  
 M – 4X  
 1 EACH  
 9 Lbs



**LV 526 T OD XX 0001 00**

encapsulated suit (level B),  
 rear entry, flat back, 48"  
 zipper, storm flap, 20mil. PVC  
 faceshield, elastic wrists, 2  
 exhaust ports with shroud,  
 air tube inlet, attached  
 sockboots with boot flaps  
 S – 4X  
 1 EACH  
 9 Lbs



**LV 527 T OD XX 0001 00**

encapsulated suit (level B),  
 front entry, expanded back,  
 48" zipper, storm flap, 20mil.  
 PVC faceshield, elastic  
 wrists, 1 exhaust port with  
 shroud, attached sockboots  
 with boot flaps  
 S – 4X  
 1 EACH  
 9 Lbs



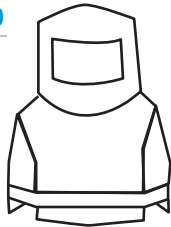
**LV 360 T OD XX 0006 00**

pants, bib-style,  
 adjustable suspenders  
 S – 5X  
 6 EACH  
 6 Lbs



**LV 651 T OD 00 0002 00**

hood, taped, pullover  
 ONE SIZE  
 2 EACH

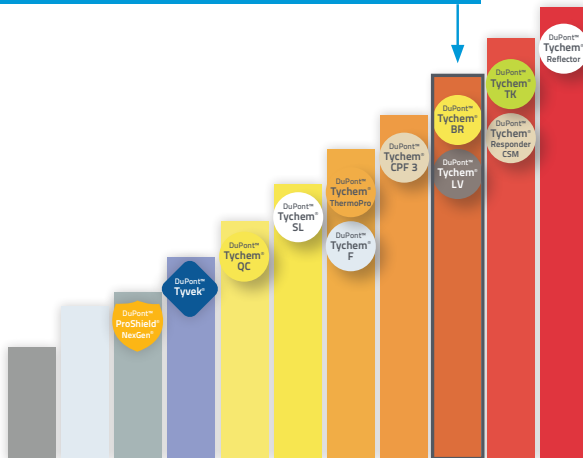


**LV 670 T OD XX 0006 00**

taped, mandarin collar,  
 zipper  
 S – 6X  
 6 EACH  
 8 Lbs



**DUPONT GARMENTS LEVEL OF PROTECTION**



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.



Taped Thermobond®

DuPont™

# TYCHEM® TK



DuPont™ Tychem® TK is your best protection from highly toxic, corrosive chemicals, whether liquid, vapor, or gas. This fabric is durable enough to handle emergency response and remediation work, having been successfully tested against more than 260 challenging chemicals. Suits of DuPont™ Tychem® TK feature double-taped seams, multilayered PVC/ Teflon® face shields and dual glove systems. You can respond confidently to chemical hazards with the highest level of protection with DuPont™ Tychem® TK. Highly wearable and pressure tested DuPont™ Tychem® TK® is effective protection in highly toxic, corrosive environments of both liquids and gases.

### (Level A)

DUPONT PART #

**TK 554 T LY XX 0001 00**

**TK 554 T LY XX 0001 5C**

**TK 554 T LY XX 0001 7S**



fully encapsulated front entry vapor-protective suit, expanded back, sealed seams inside and out, 48" zipper, storm flap with Velcro, 2 layer faceshield (10mil Teflon/40mil PVC), three layer glove combination of Viton, North Silvershield and outer knit Kevlar, 2 pirelli valves, attached sockboots with boot flaps, 1.5" waist belt with three loops sewn (inside) and sealed. Storage bag included

M – 4X

1 EACH

10 Lbs

DUPONT PART #

**TK 128 T LY XX 0002 00**

coverall, hood, elastic wrists, sock boots with boot flaps

S – 4X

2 EACH

16 Lbs



### (Level A)

DUPONT PART #

**TK 555 T LY XX 0001 00**

**TK 555 T LY XX 0001 5C**

**TK 555 T LY XX 0001 5V**

**TK 555 T LY XX 0001 7M**

**TK 555 T LY XX 0001 7S**



fully encapsulated rear entry vapor-protective suit, expanded back, sealed seams inside and out, 48" zipper, storm flap with Velcro, 2 layer faceshield (10mil Teflon/40mil PVC), three layer glove combination of Viton, North Silvershield and outer knit Kevlar, 2 pirelli valves, attached sockboots with boot flaps, 1.5" waist belt with three loops sewn (inside) and sealed. Storage bag included

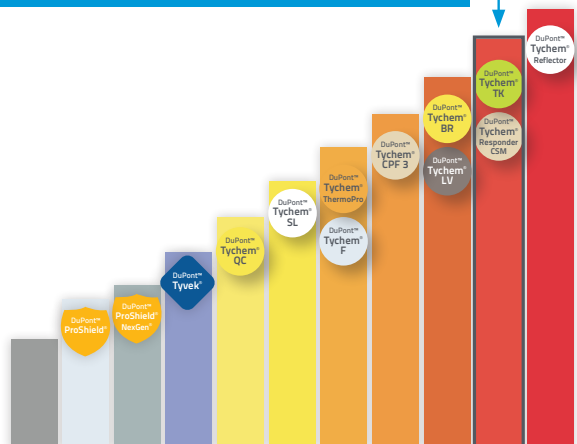
M – 4X

1 EACH

8 Lbs

It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

### DUPONT GARMENTS LEVEL OF PROTECTION



Double Taped Thermobond® Max





DUPONT PART #  
**TK 586 S LY xx 0001 00** (front entry), S - 4X  
**TK 586 T LY xx 0001 00** (front entry), XS - 6X

DUPONT PART #  
**TK 587 S LY xx 0001 00** (rear entry), S - 4X  
**TK 587 S LY xx 0001 BN** (rear entry), S - 4X

EX faceshield (20 mil PVC), zipper, storm flap over zipper, internal waist belt, expanded back, attached butyl gloves, attached socks, boot flaps, clearly labeled as a training suit

1 EACH



# DUPONT™ TYCHEM® TRAINING SUIT & GARMENT ACCESSORIES

Training suits offer an economical and effective option for HazMat training.

## air relief valve

DUPONT PART #  
**99 937 0 00 00 0001 00** 1/cs

Pirelli™ exhaust valve



## air relief valve

DUPONT PART #  
**99 026 0 00 00 0001 00** 1/cs

Auer™ exhaust valve



## exhaust diaphragm

DUPONT PART #  
**99 122 0 00 00 0001 00** 1/cs  
**99 122 0 00 00 0001 00** 2/cs  
**99 122 0 00 00 0001 00** 4/cs

Pirelli™



## exhaust diaphragm

DUPONT PART #  
**99 118 0 00 00 0001 00** 1/cs  
**99 118 0 00 00 0001 00** 2/cs  
**99 118 0 00 00 0001 00** 3/cs

Auer™



## glove ring assembly

DUPONT PART #  
**99 015 0 00 00 0002 00** 2/cs

option 8B  
 Level A/B  
 detachable  
 twist-lock  
 assembly



## glove ring assembly

DUPONT PART #  
**99 016 0 00 00 0001 00** 1/cs

Level A/B  
 half of twist-lock  
 assembly



## glove ring assembly

DUPONT PART #  
**99 014 0 00 00 0001 00** 1/cs

Level B  
 butyl o-rings  
 PVC glove rings



## glove ring assembly

DUPONT PART #  
**99 961 0 00 00 002 00** 2/cs

male glove insert



## universal pressure test kit

DUPONT PART #  
**99 081 0 00 00 0001 00 kit** 1/cs

The universal pressure test kit is designed for periodic air pressure testing on all Level A fully encapsulated suits.

This compact, lightweight kit is completely self contained, requiring no external air supply.



## Cool-Guard® vest

DUPONT PART #  
**99 600 0 BU 00 0001 00** 1/cs

Personal cooling product that works to reduce body heat

DUPONT PART #  
**99 603 0 BU 00 0001 00**  
**99 603 0 BU 00 0001 00**

Spare set (4) Cool-Guard® refills



## adapters for test kits

DUPONT PART #  
**99 116 0 00 00 0001 00** Auer™

DUPONT PART #  
**99 939 0 00 00 0001 00** Pirelli™

Two adapters for DuPont kit to test Tychem® Responder® suits



## anti-fog/anti-static cleaner

DUPONT PART #  
**99 965 0 00 00 0001 00** 2 oz

For use with DuPont™ Tychem® protective garments faceshields, welding lenses, safety plates and eyeglasses.

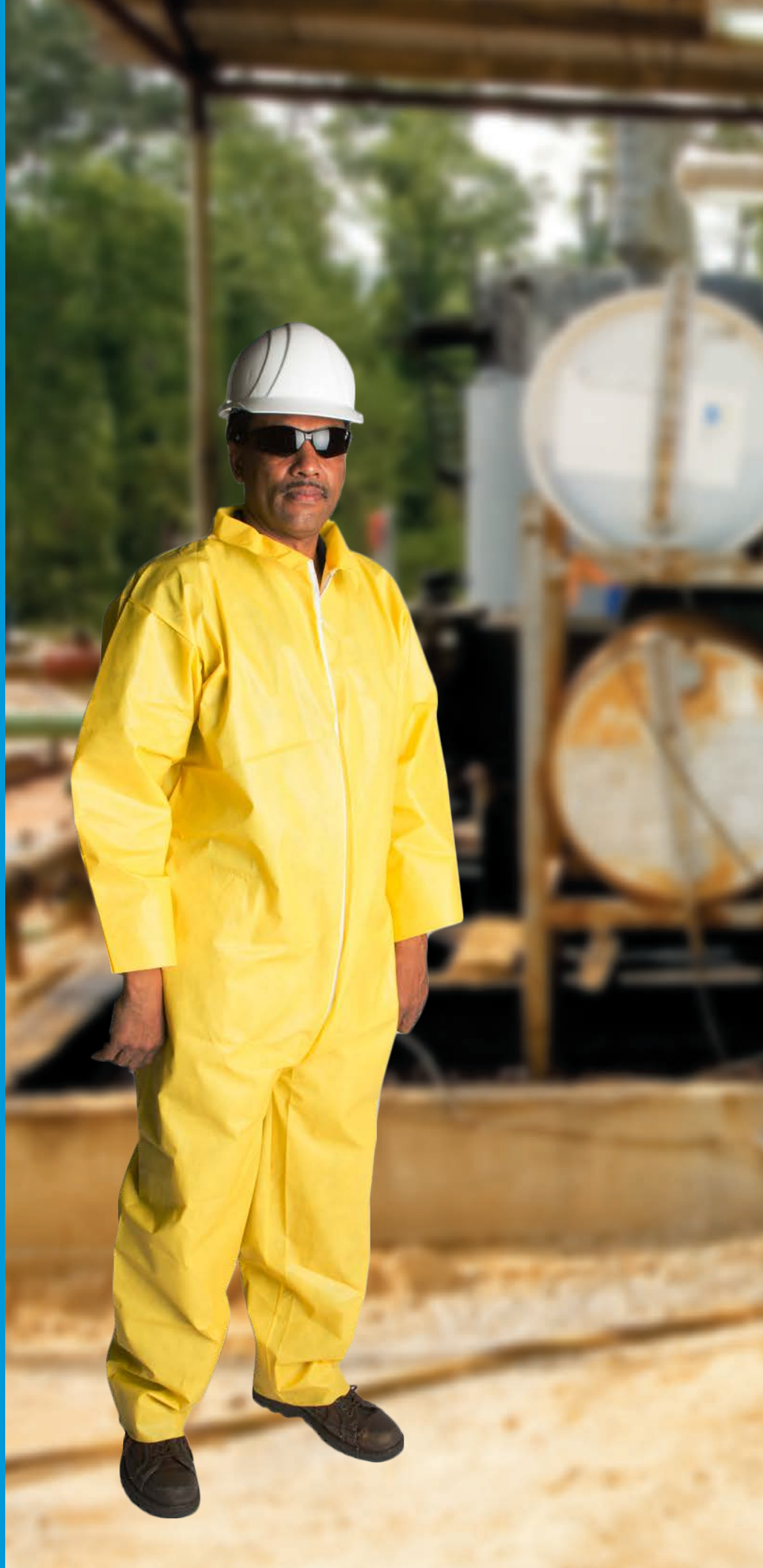


# PROCHEM<sup>®</sup>

ProChem<sup>®</sup> is Malt Industries newest entry-level chemical protective garment. We know the quality and protection you have come to expect from Malt Industries.

Offered in both serged and bound seams, this garment is suited for applications such as:

- chemical handling
- environmental clean up
- manufacturing.





# ProChem®

ProChem® is Malt Industries newest entry-level chemical protective garment. We have used our **extensive knowledge and years of experience to develop a cost effective product** that will bar many harmful contaminants from penetrating to the inner clothing.

**MPC5412** (serged seam)  
**MPC55412** (bound seam)

coverall, zipper  
S – 5X  
25 EACH  
12 Lbs



**MPC5414** (serged seam)  
**MPC55414** (bound seam)

coverall, zipper,  
attached hood, boots, elastic  
wrists  
S – 5X  
25 EACH  
12 Lbs



**MPC5417** (serged seam)  
**MPC55417** (bound seam)

coverall, zipper, elastic  
wrists & ankles  
S – 5X  
25 EACH  
12 Lbs



**MPC5428** (serged seam)  
**MPC55428** (bound seam)

coverall, zipper,  
attached hood,  
elastic wrists & ankles  
S – 5X  
25 EACH  
12 Lbs



## ProChem® PERMEATION DATA

CHEMICAL NAME	CAS NUMBER	AVERAGE NORMALIZED BREAKTHROUGH TIME (MINUTES)	AVERAGE STEADY STATE PERMEATION (µg/CM /MIN)
Ammonia, anhydrous	7664-41-7	Immediate*	21.1
Dichloromethane	75-09-2	Immediate	315
Dimethylformamide	68-12-2	Immediate	1.27
50% Sodium Hydroxide	1310-73-2	ND*	ND
93% Sulfuric Acid	7664-93-9	ND	ND
Toluene	108-88-3	Immediate	352
Acetone	67-64-1	Immediate	4.35
Acetonitrile	75-05-8	Immediate	1.24
Carbon Disulfide	75-15-0	Immediate	27.7
Diethylamine	109-89-7	Immediate	535
Ethyl Acetate	141-78-6	Immediate	55.6
n-Hexane	110-54-3	Immediate	214
Methanol	67-56-1	Immediate	1.99
Nitrobenzene	98-95-3	Immediate	14.7
Tetrachloroethylene	127-18-4	Immediate	298
Tetrahydrofuran	109-99-9	Immediate	60.7
1,3-Butadiene	106-99-0	Immediate	149
Chlorine	7782-50-5	Immediate	22.9
Ethylene Oxide	75-21-8	Immediate	30
Hydrogen Chloride	7647-01-0	Immediate	0.339
Methyl Chloride	74-87-3	Immediate	20.7



The ProChem garments are sure to meet your lightweight contaminant and splash protection needs. ProChem is constructed with a unique polyethylene barrier film and a continuous filament polypropylene nonwoven.

Other sizes and styles available. **Consult your Malt sales representative.**

\*Note: "Immediate" means less than 10 minutes. | "ND" means none detected during the 480 minute test.









# ACCESSORIES



# MVA<sup>®</sup>

## VINYL ALTERNATIVE APRONS, SLEEVES & GOWNS

Stocked in blue. White and yellow may also be available. Other sizes and styles available consult your Malt sales representative



### APRONS

**4 mil**  
**MMVA-45-4**  
35x45 with grommets  
100/cs

**6 mil**  
**MMVA-45-6**  
35x45 with grommets  
100/cs

**MMVA-55-6**  
35x55 with grommets  
100/cs

**MMVA-55-DC-6**  
die cut  
35x55 with grommets  
100/cs



### SLEEVES

**4 mil**  
**MMVA-4HS**  
18", elastic ends  
75 pair/cs

**MMVA-4HS-EW**  
extra wide  
18", elastic ends  
75 pair/cs

**6 mil**  
**MMVA-6HS**  
18", elastic ends  
75 pair/cs

**MMVA-6HS-EW**  
extra wide  
18", elastic ends  
75 pair/cs



### GOWNS

**4 mil**  
**MMVA-4G-B-L**  
Large, 42x50  
with thumbloops  
50/cs

**MMVA-4G-B-XL**  
X-Large, 42x55  
with thumbloops  
50/cs

**MMVA-4G-B-L-EW**  
Large, 42x50  
with elastic wrists  
50/cs

**MMVA-4G-B-XL-EW-S**  
X-Large, 42x55  
with elastic wrists  
50/cs

**6 mil**  
**MMVA-6G-B-L**  
Large, 42x50  
with thumbloops  
50/cs

**MMVA-6G-B-XL**  
X-Large, 42x55  
with thumbloops  
50/cs

**MMVA-6G-B-L-EW**  
Large, 42x50  
with elastic wrists  
50/cs

**MMVA-6G-B-XL-EW**  
X-Large, 42x55  
with elastic wrists  
50/cs

### SHOE COVERS

**4 mil**  
**MMVA-4-SC-B**  
50 pair/cs

**6 mil**  
**MMVA-6-SC-B**  
50 pair/cs



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.





Product Number  
MYU-55 and MYU-18

# URETHANE

## APRONS & SLEEVES

Urethane aprons and sleeves feature nylon backing for added strength, and offer protection from a wide range of chemicals, animal fats, and potential exposure to grease. **Malt's Urethane is available in blue and yellow.**

### MYU-48

yellow urethane apron  
35x48 apron  
27 Lbs



### MYU-55

35x55 apron  
29 Lbs

Must be ordered in cases of 4 dozen per case.

### MYU-18

18" yellow urethane sleeves  
18 Lbs



### MBU-18

18" blue urethane sleeves  
18 Lbs

Must be ordered in cases of 8 dozen pairs per case.

### MBU-48

blue urethane apron  
35x48 apron  
27 Lbs

### MBU-55

35x55 apron  
29 Lbs

Must be ordered in cases of 4 dozen per case.



# VINYL

## APRONS & SLEEVES

Our Virgin Vinyl aprons and sleeves offer excellent protection against acids, alkalies, solvents, chemicals, oils, fats, salts, and abrasions. **Available in 3 styles, economical die-cut, nylon serged seams, and raw edge style,** with 4 heat sealed grommets and separate ties. Available in 6, 8, and 20 mil in colors blue, white and clear. Meets and exceeds all FDA regulations.



Product Number  
MUB-50

### UNHEMMED VINYL APRONS

**6 mil**

Must be ordered in cases of 6 dozen per case.

**MUB-45**

35x45 apron  
24 Lbs

**MUB-48**

35x48 apron  
26 Lbs

**MUB-50**

35x50 apron  
27 Lbs

**MUB-55**

35x55 apron  
30 Lbs



Product Number  
MCA-6



**MB-20-50**  
**20 mil PVC apron**

50 Lbs  
Above must be ordered in cases of 3 dozen per case



**MCA-6**  
**6 mil coat apron**

43 Lbs  
Above must be ordered in cases of 3 dozen per case



**MCA-8**  
**8 mil coat apron**

50 Lbs  
Above must be ordered in cases of 3 dozen per case





# Our Virgin Vinyl aprons and sleeves offer excellent protection

## HEMMED VINYL APRONS

### 6 mil

Must be ordered in cases of 6 dozen per case.

#### MHB-45

35x45 apron  
24 Lbs

#### MHB-48

35x48 apron  
26 Lbs

#### MHB-50

35x50 apron  
27 Lbs

#### MHB-55

35x55 apron  
30 Lbs



## DIE CUT APRONS

### 6 mil

Must be ordered in cases of 6 dozen per case.

#### ME6B-45

35x45 apron  
24 Lbs

#### ME6B-48

35x48 apron  
26 Lbs

#### ME6B-50

35x50 apron  
27 Lbs

#### ME6B-55

35x55 apron  
30 Lbs



## SLEEVES

### MVB-6HS

#### 6 mil sleeves

25 Lbs

Above must be ordered in cases of 12 dozen pairs per case.

All Vinyl products available in blue or white.



## HEMMED VINYL APRONS

### 8 mil

Must be ordered in cases of 6 dozen per case.

#### MPB-45

35x45 apron  
41 Lbs

#### MPB-48

35x48 apron  
42 Lbs

#### MPB-50

35x50 apron  
44 Lbs

#### MPB-55

35x55 apron  
47 Lbs



## SLEEVES

### MVB-8HS

#### 8 mil

30 Lbs

Above must be ordered in cases of 12 dozen pairs per case.

All Vinyl products available in blue or white.



Product Number  
MPB-50



Product Number  
ME6B-50 & MVB-8HS



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

# DISPOSABLE POLYETHYLENE APRONS & SLEEVES

**Polyethylene Aprons and Sleeves are available in white, blue and yellow.**

High quality, virgin material combines flexibility and resistance to chemical, food and light contamination. Component materials comply with FDA regulations for food contact.

**MDP-40**

1 mil apron 28x40  
1000 EACH  
34 Lbs

**MDP-46-W-S**

1 mil apron 28x46  
1000 EACH  
38 Lbs

**DP-52-500/W**

1 mil apron 30x52  
500 EACH  
21 Lbs

**MDP-55-W-1**

1 mil apron 28x55  
1000 EACH  
43 Lbs

**MPE-165**

16" 1mil sleeves  
2000 EACH  
17 Lbs

**MPE-185**

18" 1mil sleeves  
2000 EACH  
19 Lbs



**Product Numbers  
MDP-46-W & MPE-185**



**MCPB-4-XL-125  
MCPB-4-2X-125**

4 mil poly  
boot covers  
tie top  
125 PR.  
30 Lbs



**MCPB-6-XL-125  
MCPB-6-2X-125**

6 mil poly boot covers  
tie top  
125 PR.  
38 Lbs



**MCPB-3-E/T-XL-125  
MCPB-3-E/T-2X-125**

3 mil poly boot covers  
elastic top  
125 PR.  
28 Lbs



**MCPE-16/W SCR-U**

shoe cover, sticky white  
150 PR.



It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

**MCPE-45B**

45" Blue  
thumbloop gown  
100 EACH



**MCPE-55B**

55" Blue  
thumbloop gown  
100 EACH





Malt's denim aprons are the perfect shop apron constructed of blue denim. Aprons are offered with either four grommets and shoe string ties or with sewn on ties.

# DENIM

## APRONS & SLEEVES



**Product Number**  
MDEN-36-3

**MDEN-18E**  
denim sleeves - 18"  
with elastic ends  
6 dozen pair  
29 Lbs



**MDEN-NA**  
denim nail apron -  
2 pocket  
8 DOZEN  
22 Lbs



**MDEN-36P-MG**  
**MDEN-36P-ST**  
denim apron  
28x36  
3 DOZEN  
21 Lbs



**MDEN-36-1-ST**  
1 pocket 28x36  
3 DOZEN  
22 Lbs

**MDEN-36-2-ST**  
2 pocket 28x36  
3 DOZEN  
23 Lbs

**MDEN-36-3-ST**  
**MDEN-36-3-DT**  
**MDEN-36-3-MG**  
3 pocket 28x36  
3 DOZEN  
24 Lbs

**MDEN-42-2-ST**  
2 pocket 28x42  
3 DOZEN  
28 Lbs

# RAINWEAR, BOUFFANTS, HAIRNETS & BEARDNETS

## RAINWEAR

**THICKNESS: 0.32 - 0.35mm – PVC/Polyester/  
PVC – 3 pcs rain suit – double coated PVC  
with same color jacket with detachable  
hood – self-material collar  
–inside storm-fly front  
with snaps– Under arm  
vents–cape ventilated  
back–Pants with bib  
front– Adjustable  
sides and elastic  
suspenders– Fly  
with snap fastener –  
Reinforced buckle.**



**MRS-200**  
35 Mil. 3 Pc.  
S - 6X  
10 EACH  
65 Lbs

## FACE MASK

### MFB-3-EL

3 ply facemask, pleated  
with earloops, blue  
1,000/cs  
8 Lbs



## BOUFFANTS

Nonwoven  
polypropylene which  
offers excellent  
protection in the food  
and medical industry.

### MB-18-1000/W

bouffants  
18"  
1,000 EACH  
7 Lbs

### MB-21-1000/W

21"  
1,000 EACH  
9 Lbs



### MB-24-1000/W

24"  
1,000 EACH  
11 Lbs



Product Numbers  
**MB-21-1000/W  
& MBC-1000/W**

### MB-26-1000/W

26"  
1,000 EACH  
13 Lbs

### MB-28-1000/W

28"  
1,000 EACH  
15 Lbs

### MB-30-1000/W

30"  
1,000 EACH  
16 Lbs

### MDP-21-1000/W

21" dispenser pack  
1,000 EACH  
10 Lbs

### MDP-24-1000/W

24" dispenser pack  
1,000 EACH  
12 Lbs

## BEARDCOVERS

### MBC-1000/W

beardcovers  
1,000 EACH  
5 Lbs



## HAIRNETS

Nylon mesh can  
also offer superior  
protection with  
more breathability.  
Also complies with  
FDA regulations.

### MC-18-1000/W

hairnets  
18"  
1,000 EACH  
8 Lbs

### MC-21-1000/W

21"  
hairnets  
1,000 EACH  
9 Lbs



### MC-24-1000/W

hairnets  
24"  
1,000 EACH  
10 Lbs



Product Number  
**MC-21-1000/W**

### MC-26-1000/W

hairnets  
26"  
1,000 EACH  
12 Lbs

### MC-28-1000/W

hairnets  
28"  
1,000 EACH  
14 Lbs



Product Number  
**MCBC-1000/W**

### MC-30-1000/W

hairnets  
30"  
1,000 EACH  
16 Lbs

## BEARDNETS

### MCBC-1000/W

beardnets  
1,000 EACH  
6 Lbs

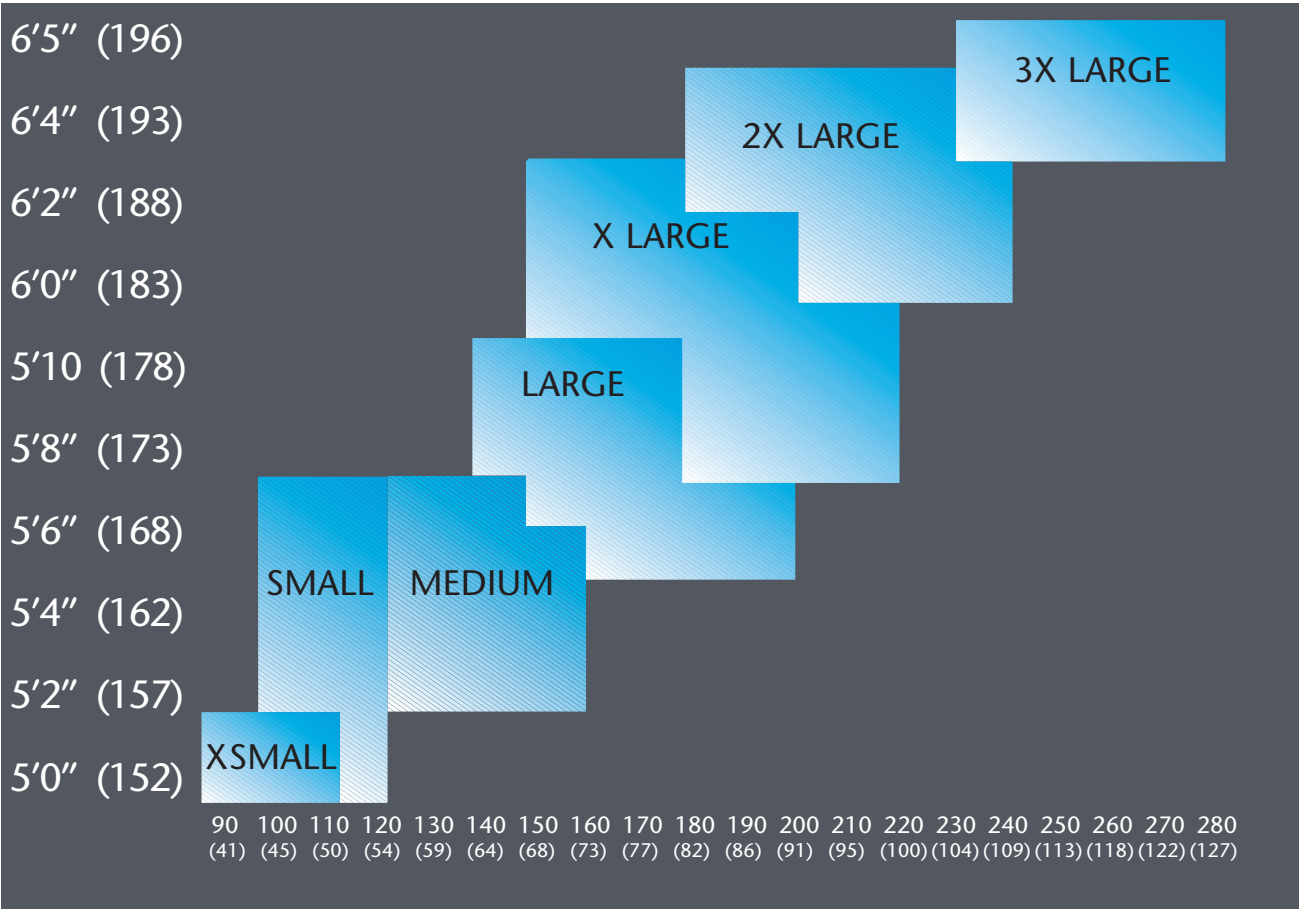


It is the user's responsibility to select garments which are appropriate for each intended use and which meet all specified government and industry standards.

Bouffants and Beardcovers are available in white, blue, green, yellow, and red | Hairnets are available in white, blue, brown, & black



# ANSI/ISEA 101-1996 SIZING CHART



IT IS THE RESPONSIBILITY OF THE USER TO:  
 Review and understand available information about the appropriate use of the garment;  
 Carefully inspect the garment for damage before and after use;  
 To obtain proper training in the correct use, handling, storage maintenance and disposal of the garment;  
 Verify that the garment meets all specified government and industry standards for user's specific application;

**WARNING: TO AVOID SERIOUS INJURY, INCLUDING POTENTIALLY DEADLY CHEMICAL EXPOSURE YOU SHOULD IMMEDIATELY DISCONTINUE THE USE OF GARMENT IF FABRIC BECOMES TORN, SCRATCHED OR PUNCTURED .**

Malt Industries makes no further warranties of any kind, expressed or implied, including, without limitation, no warranties of merchantability or fitness for a particular use.

Also available from



## Protective Eyewear

The **ProGuard Classic** line provides **traditional** lens variations that never go out of style. This line is designed to provide excellent **durability** and **protection**. These lenses are utilitarian and offer compliance across a broad range of activities.



The **ProGuard Fit** line provides the right fit for the right job. **One-size-does-not-fit-all** where the workforce has become increasingly diverse. The Fit line includes glasses for smaller facial structures, options that are fully adjustable, and eyewear with integrated reading magnification. These features will deliver **improved comfort** and **functionality** that will support compliance and help to reduce eye injuries.



The **ProGuard Style** line is designed to increase compliance through mirroring fashion eyewear trends. Workers who are not comfortable with the style of their safety eyewear are more likely to remove it, even around hazardous conditions. The Style line is built for the individual on the cutting edge of **fashion**. These styles offer a great look that can be worn all day. This **encourages compliance** and will keep the wearer safe.



## Globally Harmonized System (GHS)

The **Globally Harmonized System (GHS)** of classifying and labeling chemicals is an internationally agreed-upon system, designed to replace various **global classification** and **labeling standards**. Employers should conduct employee training and make the designated changes throughout their facilities. Impact has the products your customers need to comply with the new laws and avoid millions of dollars in fines levied every year by **OSHA**.



Impact has a complete line of **SDS Informations Centers, binders, bilingual posters** and **reference material** to make sure your employees and work place are **compliant**.





Also available from



## Disposable Gloves

Impact offers three great brands of disposable gloves. **ProGuard™** for Jan/San and General Purpose uses, **DiversaMed™** for the Medical, Dental and Exam field and **The Protected Chef™** for the Food Service industry.



## Who Is Impact?

We are the dominant manufacturer of supplies and accessories to the cleaning industry.

**We Impact Everything... Easier, Safer, Better™!**



# MALT

by **impact**

43 Magnum Road  
Purvis, MS 39475

Toll Free: 888.539.6258  
Fax: 601.794.4205

[malt.impact-products.com.com](http://malt.impact-products.com.com) © 2018

Impact Products, LLCtv

2840 Centennial Road  
Toledo, OH 43617

Toll Free: 800.333.1541  
Fax: 800.333.1531

[impact-products.com](http://impact-products.com)

DuPont™ Master Wholesale Distributor

MLT1601