

MT94 — MULTI-THREAT GARMENT



MAXIMUM PROTECTION. UNCOMPROMISED MOBILITY.

The MT94 (Multi-Threat) CBRN ensemble is a one-piece, rear-entry suit designed to protect against some of the world's worst chemical and biological threats. With models designed specifically for law enforcement, fire, EOD and military use, the MT94 offers first responders advanced protection when facing the unknown.

The MT94 combines rugged GORE® CHEMPAK® Ultra Barrier Fabric laminated to a tough Nomex® outer textile to offer lightweight and comfortable multi-wear, multi-threat protection. Providing the highest level of protection in a Class 2 suit, the MT94 helps block out high levels of CBRN agents that may be encountered in the "hot zone". Certified to NFPA 1994, Class 2 and NFPA 1992.





MT94 SPECIFICATIONS

| | |
|--------------------------|---|
| Certification: | NFPA 1994, Class 2 and NFPA 1992 |
| Zone: | Hot |
| Garment design: | 1-piece, rear-entry |
| Respiratory system: | Contact Lion at CBRN@lionapparel.com for options |
| Hand protection system: | GORE™ G9492 glove system with GORE® CHEMPAK® Ultra Barrier Fabric worn under Nomex® outer glove |
| Foot protection system: | Integrated bootie with GORE® CHEMPAK® Ultra Barrier Fabric; OnGuard HAZMAX® boot |
| Barrier technology: | GORE® CHEMPAK® Ultra Barrier Fabric |
| Storage life: | Up to 10 years |
| Multi-use: | Yes, if not damaged, exposed or contaminated |
| Training suit available: | Yes |

- Provides vapor, liquid and limited FR protection against CBRN agents to law enforcement, fire service, EMS and military
- Streamlined design combines durability, mobility and comfort
- Certified to NFPA 1994, Class 2 and NFPA 1992 for hot zone operations

FEATURES

- Guards against exposure to hazardous waste, drug labs, biological threats, and domestic terrorism agents
- Durable GORE® CHEMPAK® Ultra Barrier Fabric provides protection above IDLH concentration levels against TICs and CWAs while performing tactical operations
- Lightweight, streamlined design delivers optimum comfort and natural freedom of movement
- Rugged construction allows you to perform in the most challenging of circumstances
- Re-usable for multiple wears and washings, if not exposed or contaminated
- Certified for use with GORE™ G9492 glove system and OnGuard HAZMAX® 87012 boots

APPLICATIONS

- Technical rescue
- Contaminated rescue
- Decon
- SWAT
- HAZMAT
- Confined Space Rescue
- Explosives Ordnance Disposal

CERTIFIED PROTECTION IN CB HOT ZONE ENVIRONMENTS

| NFPA 1994, Class 2 Ensemble Overall Function & Integrity Man in Simulant Test (MIST) | Systemic Physiological Protective Dosage Factor (PPDF _{sys}) | Requirement | MT94 Results |
|---|--|---------------------------|----------------------------|
| | | ≥ 361 PPDF _{sys} | ≥ 4932 PPDF _{sys} |

BARRIER PERFORMANCE

| Material Performance | Requirement | GORE® CHEMPAK® Ultra Barrier Fabric "Multi-Threat" Typical Results |
|----------------------|---------------|--|
| Burst Strength | ≥ 35 lbf | ≥ 310 lbf |
| Seam Break Strength | ≥ 15 lbf/2 in | ≥ 190 lbf/2 in |

| Chemical Permeation Chemical Warfare Agents | Max Level | Requirement | GORE® CHEMPAK® Ultra Barrier Fabric "Multi-Threat" Typical Results |
|---|---------------------------|-------------|--|
| Mustard (HD) | < 4.0 µg/cm ² | 60 min | > 720 min |
| Soman (GD) | < 1.25 µg/cm ² | 60 min | > 720 min |
| Toxic Industrial Chemicals | | | |
| Dimethyl Sulfate (DMS) | < 6 µg/cm ² | 60 min | > 480 min |
| Acrolein | < 6 µg/cm ² | 60 min | > 480 min |
| Ammonia (NH ₃) | < 6 µg/cm ² | 60 min | > 480 min |
| Chlorine (Cl ₂) | < 6 µg/cm ² | 60 min | > 480 min |
| Acrylonitrile | < 6 µg/cm ² | 60 min | > 480 min |

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NOTE: Additional chemical test results are available upon request.

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WARNING: Never wear the garment without the correct respirator, footwear, gloves, hood or belt; never wear the Garment without all elements in place. The garment alone does not provide protection against all chemical and biological hazards. CBRN ensembles provide limited protection against flame. CBRN ensembles provide limited protection against, abrasion, puncture, bodily fluids, other liquids and gases. No products, including garments, footwear or handwear, can offer absolute protection, even when new, and their protective performance will decline with wear, tear, abrasion, and other damage associated with use. W. L. Gore & Associates, Inc. and Lion Apparel, Inc. make no guarantee of how the product will perform in actual use.

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Chempak
FABRIC

DuPont™
NOMEX



LION
APPAREL

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