



MIRRA[®]

S A F E T Y

Prepare Today
Survive Tomorrow

PRODUCT CATALOG



MIRA Safety exists for one reason, and one reason only: to provide industry professionals and the general public with uncompromising equipment for personal protection, utility, and comfort.

We provide the same kind of cutting-edge equipment and self-defense gear trusted by top-tier military operators—with key engineering enhancements to make them more practical and effective on the homefront. Everything in our inventory is strictly professional-grade, giving you the confidence you need to overcome obstacles in your path.

Headquartered in Austin, Texas, MIRA Safety has international partnerships with agencies and law enforcement groups worldwide. With every new product we develop, we strive to maintain the same levels of value and uncompromising workmanship that have earned us their trust.

Ultimately, our business is all about safety and protection, which means it's all about people. So we're dedicated to excellence in customer service and satisfaction. If you have any questions or comments, please don't hesitate to contact us. **We can be reached via email at support@mirasafety.com, or you can give us a call at 888-316-1462**

MIRA[®]
SAFETY

CONTENTS

- ♦ GAS MASKS & RESPIRATORS
- ♦ CHILDREN'S GAS MASKS
- ♦ GAS MASK FILTERS
- ♦ SUITS & PROTECTION
- ♦ ACCESSORIES & MISC
- ♦ TECHNICAL INFORMATION

TECHNOLOGY FOR PROTECTION, UTILITY AND COMFORT

We offer only the highest-quality gas masks, PAPR systems, protective coveralls, and hazard detection equipment on the market to provide emergency preparedness, comfort, and superior protection under the harshest conditions. We have many competitors, but when you shop with MIRA Safety, you are guaranteed total satisfaction with every purchase.

TRUSTED BY PROFESSIONALS ALL OVER THE GLOBE

At MIRA Safety, we understand the challenges faced by military forces, hazmat crews, emergency response teams, and law enforcement – in short, anyone preparing for the most difficult circumstances known to man. That's why we have established firm relationships with agencies worldwide. We would trust our own lives to our products – that's why we feel confident providing them to our customers.

WHERE CRAFTSMANSHIP MEETS VERSATILITY

As modern threats evolve, so do modern respirators, safety devices, and the technologies behind them. MIRA Safety supplies advanced tactical defense equipment, used by professionals worldwide – now available to the general public.



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**GAS MASKS
& RESPIRATORS**

CM-6M



The CM-6M CBRN Tactical Gas Mask provides robust protection for your face, internal organs, and respiratory system against a full spectrum of toxic industrial chemicals (TICs), chemical warfare agents (CWAs), radioactive dust, noxious gas, vaporized pollutants, and more. This reusable full-face respirator is trusted and used by professionals in industrial and agricultural settings, as well as police and rescue squads and civil defense agencies.

The CM-6M is marked with a “CE” symbol and is manufactured in accordance with the EN 136:1998 Class III and EN 148-1 standards.

FEATURES

- // Panoramic visor
- // Six-point head harness
- // Bromobutyl rubber construction
- // Built-in speech diaphragm
- // Two 40 mm NATO filter ports
- // Exhalation valve and comms port
- // Integrated drinking hose
- // Included canteen



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CM-7M

Get the best in practical, tactical defense against a wide range of CBRN threats, including chemical warfare agents (CWAs) and toxic industrial chemicals (TICs). The CM-7M is a ruggedized, reusable full-face respirator, optimized for use with optics and rifle scopes.

Developed in cooperation with Czech army specialists and the Czech Ministry of Defense (MoD), the CM-7M is trusted in the line of duty by military and police users around the world. It also comes with a hydration system that enables safe drinking in contaminated areas.



FEATURES

- // Dual, recessed visor
- // Five-point head harness
- // Bromobutyl rubber construction
- // Built-in speech diaphragm
- // Two 40 mm NATO filter ports
- // Exhalation valve and comms port
- // Integrated drinking valve
- // Included canteen



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CM-8M

The CM-8M tactical respirator is a cutting-edge CBRN mask designed to exceed the most stringent military standards. With its innovative visor design, the CM-8M offers unmatched visibility and compatibility with various optical systems, while providing superior protection against a wide range of chemical, biological, and nuclear threats. Engineered for comfort and durability, this mask is the ultimate choice for professionals demanding the highest level of respiratory protection in challenging environments.



FEATURES

- // 92.5% panoramic field of view
- // 20-year shelf life
- // Uses standard NATO 40mm filters
- // Durable CBRN-compliant rubber construction
- // 30-hour mustard gas penetration resistance
- // Fog-free hypoallergenic inner mask
- // Pre-installed hydration system
- // Impact-resistant for riot control situations



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C21

The MIRA Safety C21 Full Face Respirator is a professional-grade CBRN protective mask that combines tactical versatility with comprehensive protection. It features left or right filter mount configuration, 40mm filter compatibility, and operates in extreme temperatures from -40°C to $+70^{\circ}\text{C}$. With practical features like anti-fog visor and speech diaphragm, plus full helmet and optical equipment compatibility, the C21 provides reliable protection for up to 20 years with proper maintenance.



FEATURES

- // Multiple accessories (sold separately)
- // NATO-standard 40mm filter compatibility
- // Wide-view polycarbonate visor
- // Adjustable left/right filter mount configurations
- // 6-point adjustable harness
- // Chemical-resistant treatment
- // Integrated speech diaphragm
- // Anti-fogging technology



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CM-101

The CM-101 Industrial Respirator is a ruggedized personal mask, designed for industrial, marine, medical, agricultural, and chemical/pharmaceutical applications. Featuring a state-of-the-art design with a one-piece visor/respirator cover, the CM-101 uses standard 40 mm gas mask cartridges to protect the user from a wide range of toxins, chemicals, and/or hazardous byproducts on the job site. Thanks to its unique design, the CM-101 contours to a wide range of face shapes and sizes while retaining a perfect seal and protecting the user. The CM-101 is a certified Class 3 respirator, meaning it meets the minimum standards for mechanical, heat, and flame resistance.



FEATURES

- // Designed to protect the user from gasses, vapors, solids, and liquid particulates
- // Compatible with any 40 mm NATO standard filter for interchangeability
- // Panoramic Class 1 (EN 166) visor with scratch-resistant finish
- // Highly adaptable to comfortably fit all face shapes
- // Five-point adjustable head harness, designed for maximum breathability and comfort



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TAPR

The Tactical Air-Purifying Respirator (TAPR) is a modular half-face respirator that can be configured to integrate with most popular helmet systems and communications gear. It's engineered for rapid deployment, protecting the user from a wide range of inhaled threats while preserving combat readiness and freedom of movement.

Originally developed to suit the needs of the Czech Special Forces, the TAPR is the first EN-140 certified half-face respirator mask specifically designed for special operations, security actions, and rescue teams.



FEATURES

- // Multiple 40 mm NATO filter ports
- // Mesh head harness
- // Low-profile exhalation cap
- // Innovative, shooter-friendly design, proven by active duty military
- // Compatible with a wide variety of protective goggles, shields, and face masks



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The image features a child in the center wearing a clear, hood-like gas mask with a corrugated breathing tube extending downwards. The child's face is visible through the mask. In the background, a woman with long hair is smiling. The entire scene is overlaid with a semi-transparent orange filter. The text 'MIRA SAFETY' is positioned in the upper right area, and the main title 'CHILDREN'S GAS MASKS' is centered in large, bold, white letters.

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CHILDREN'S GAS MASKS

MD-1

The MD-1 is one of the only dedicated, reusable children's gas masks on the market today. It is specifically engineered to meet the needs of the youngest members of your family, providing robust protection against chemical, biological, radiological, and nuclear threats (CBRN).

It uses the same NATO standard 40 mm filters as all other MIRA Safety gas masks and includes a filter hose that is compatible with our line of Powered Air-Purifying Respirators. Because of its smaller size, this children's gas mask weighs far less than an adult mask, with optimized airflow for easier breathing and reduced fatigue.



FEATURES

- // Panoramic visor
- // Five-point head harness
- // Exhalation valve
- // Made from durable, chemical resistant natural rubber
- // 40 mm NATO filter port
- // Included 40 mm NATO threaded hose



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1888
MD-1

MIRA
SAFETY
MADE IN CHINA

GOOD EST

CM-3M



The CM-3M Child Escape Respirator is an effective solution to protect children from deadly chemical, biological, radiological, and nuclear (CBRN) threats. Combining a compact, battery-powered blower with a modern CBRN filter, this expandable hood can be deployed in a matter of seconds to provide hours of protection and easy breathing for the youngest members of your family.

Unlike most modern gas masks, which are developed for military use, the CM-3M is designed specifically for small children and young teenagers. It comes with integrated hydration system that allows for safe and painless drinking even in toxic environments.

FEATURES

- // Hood constructed from four-layer PVC/nylon/nylon/PVC
- // Wide panoramic visor
- // Integrated hydration valve and bottle
- // Waist and belt mount strap
- // 40 mm NATO threaded hose
- // Suitable for children as young as two years of age and young teens
- // Compact PAPR blower system



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GAS MASK
FILTERS



ParticleMax



P3R

NBC FILTER

The NBC SOF filter canister, in combination with a full-face mask, mouthpiece assembly, or PAPR, provides reliable protection of air passages against a wide range of harmful and toxic substances, including all known CBRN agents. Filters are produced with standard round threads according to STANAG 4155 (EN 148- 1) - Rd 40x1/7" or GOST 8762-75 (40 x 4 mm).

Filter components are made of hard plastic. It provides a very robust product that is extremely durable against shock and impact damage in operational use.

NBC 17 SOF



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NBC 77 SOF



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FEATURES

- // Compatible with standard 40 mm NATO threaded respirators, which are widely available
- // Filters have a ten to twenty year shelf life (depending on model). Save money long-term by not having to replace your filters every five years.
- // Used by military personnel, CBRN specialists, and special operations forces all over the world
- // Filters all known CBRN agents. Only the NBC-77 is able to filter radioactive iodine
- // Certified by European agencies and has the "CE" symbol. Compliant under EN 14387:2004 + A1:2008



PARTICLEMAX P3 FILTER

PARTICLEMAX P3 REGULAR



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PARTICLEMAX P3 COMPACT



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Combining cutting-edge ultralow particulate air (ULPA) filtration with 40 mm NATO standard threading, our ParticleMax P3 certified biofilters work with your existing NBC/CBRN gas mask to provide unparalleled, long-lasting protection from microbiological and airborne viral threats.

When combined with a modern respirator, the ParticleMax P3 Filter guards the user against a whole host of bacterial and viral hazards—including widespread pandemics like Ebola, coronaviruses (including COVID-19), and viruses like H1N1.

FEATURES

- // Uses ULPA filtration technology to stop 99.9995%+ of viral and bio particulates
- // Incredibly lightweight for enhanced neck and head maneuverability
- // Twenty-year shelf life for long lasting reliability and cost savings
- // Prevents aerosol and airborne transmission of viral and bacterial threats
- // Utilizes some of the highest quality ULPA filter construction that works on particles as small as 0.2 microns



P-CAN POLICE FILTER

P-CAN



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P-CAN COMPACT



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The MIRA Safety P-CAN police gas mask filter is one of the world's most advanced solutions for potential long-term exposure to riot control gasses, including CS, CN, and OC.

Featuring the same basic characteristics as other MIRA Safety filters, these hydrophobic P3 police gas mask filters have almost three times as much activated carbon as competing filters, providing up to twelve hours of rock-solid, reliable protection, even in wet conditions.

Protect yourself with the most cutting-edge new police gas mask filter on the market today—MIRA Safety's P-CAN filter.

FEATURES

- // Hydrophobic coating on the embedded P3 filter ensures reliable function in rain, snow, or practically any conditions
- // Longer-lasting protection with almost 3X the activated carbon of competitors (250 cm³ vs. 90 cm³)
- // Delivers over twelve hours of reliable protection from riot control agents—giving officers the confidence they need to keep the peace
- // Compatible with standard 40 mm NATO-threaded respirators, which are widely available
- // Specifically designed for law enforcement professionals for use with riot control agents/tear gasses, including CS, CN, and OC pepper spray



VK-530



While most conventional multi-gas filters can protect you from a wide array of toxic industrial chemicals, the VK-530 is one of just a few filters that can protect you from carbon monoxide and minimize the risk of smoke inhalation.

More specifically, the VK-530 helps to convert CO into CO₂, allowing you to breathe it out. This means that gone are the days of you keeping an extra single-use fire/smoke hood on hand! Instead, you can use your existing gas mask for smoke protection in case of a house fire or wildfire.

FEATURES

- // Class 2 protection against all generic pollutants, as prescribed by EN 14387
- // Class 3 filtration against particles, according to EN 143
- // Weighs less than 500 g, ideal to use with full-face masks
- // Entirely made of aluminum to ensure mechanical strength and heat resistance
- // Protection against carbon monoxide, tested according to DIN 58620



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VK-700

The VK-700 Special Combined Filter Cartridge offers comprehensive respiratory protection against a wide range of contaminants. Certified to meet EN 14387:2004+A1:2008 standards, this versatile filter provides defense against organic solvents, acid gases, ammonia, mercury vapors, radioactive particles, and CBRN agents. With its low breathing resistance and compact design, the VK-700 ensures comfort and safety in hazardous environments.



FEATURES

- // Comprehensive protection against multiple contaminants
- // Certified to EN 14387 standards
- // Low breathing resistance for comfort
- // Compatible with various full-face masks
- // Compact and lightweight design
- // 10-year shelf life
- // Superior filtration of solid/liquid aerosols
- // 100-hour mercury vapor protection



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MIRA
COMBINED FILTER
VK 700
TYPE: A2B2E2K2HGNOCD20P3
CONNECTION THREAD: BS 4571 V7
EN 142-1
EN 12184/425
EN 142-1
EN 12184/425

DOTPRO 330

The DOT PRO 330 Special Combined Filter offers superior protection against a wide range of CBRN threats. Certified to EN 14387:2004+A1:2008 standards, this advanced filter features a dual-layer filtration system that effectively captures particulates and adsorbs toxic gases. With its compact design, shock-resistant construction, and unique mercury vapor protection, the DOT PRO 330 ensures reliable performance in the most demanding environments.



FEATURES

- // Comprehensive protection against CBRN threats
- // Unique mercury vapor filtration capability
- // Dual-layer system for particulate/gas filtration
- // EN 14387:2004+A1:2008 certified performance
- // Shock-resistant, durable plastic construction
- // Effective in extreme temperature conditions
- // Compatible with various respirator systems
- // 5-year shelf life when sealed



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CM-101

DATE OF EXPIRY: 30/06/2024
LIT. NO.: 764895025-48102564
MIRA SAFETY
COMBINED FILTER
DOTpro 330
TYPE: A2B2E2K2HGP3
CONNECTION THREAD: RD 40 X 1/7"
EN 14387:2001 EN 148-1
EU 2016/425

#3706FKL
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SUITS & PROTECTION

HAZ-SUIT
TECHNOLOGY FOR PROTECTION,
UTILITY & COMFORT

HAZ-SUIT



Engineered to be one of the most durable, longest-lasting, and most flexible hazmat suits on the market, the MIRA Safety HAZ-SUIT provides comprehensive protection from a wide array of CBRN agents and gives you a practical solution for decades to come.

Developed in partnership with Kappler®, an international leader in personal protective apparel, the MIRA Safety HAZ-SUIT is one of the world's only disposable hazmat suits that is offered in a wide variety of sizes—fitting children as young as four—and it's available exclusively through MIRA Safety.

FEATURES

- // Ideal for CBRN civil defense applications
- // Tested and proven protection from a wide variety of CWAs and TICs
- // Compatible with all MIRA Safety gas masks and full-face respirators
- // Comes in youth sizes to fit children as young as four years old



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MOPP-1 SUIT



Whereas most traditional hazmat suits are engineered to be impermeable, the MIRA Safety MOPP-1 CBRN Protective Suit has the same advanced semipermeable construction as the suits used by the U.S. Military.

Thanks to its special construction that includes an integrated layer of embedded carbon spheres, this suit effectively “breathes” while providing total body protection to the user. As a result, it can be worn for much longer periods in hazardous environments, because the risk of exhaustion or dehydration is reduced.

FEATURES

- // Offers proven protection from CBRN threats in gas and aerosol/liquid form, preventing contact with skin and equipment
- // Designed to work with MIRA Safety gas masks, butyl gloves, and overboots for long-term use
- // Crafted using special polyamide material that’s flexible, easy to wear, and able to be laundered up to ten times
- // Tear-resistant construction ensures it’s durable enough for rugged use in the field
- // Tested and found to meet all requirements in accordance with (PKP 6468/07); (EN 40161); (EN 40161); (EN 40339); (EN 1773); (EN 13934-1); (EN 12857-2); (EN 12945-2); (EN 13937-2); (EN 25077); ISO 6940:2004)



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M4 MILITARY PONCHO



Our MIRA Safety M4 CBRN Military Poncho is a simple, practical solution for a spectrum of nuclear, biological, and chemical threats.

Its cutting-edge polyamide construction provides an insulating barrier that protects your skin from CBRN threats for over two hours—while doubling as a practical weatherproof poncho. Military-designed, discreet, compact, and effective, the MIRA Safety M4 CBRN Military Poncho is a must-have for your CBRN loadout.

Practical, discreet, affordable, flexible, and convenient, this is the perfect upgrade for almost any PPE kit.

FEATURES

- // Offers proven protection from CBRN threats in gas and aerosol/liquid form, preventing contact with skin and equipment
- // Designed to work with MIRA Safety gas masks to provide additional, flexible protection
- // Tear-resistant construction ensures it's durable enough for rugged use in the field
- // Crafted using special polyamide material that's flexible and easy-to-wear



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LEVEL IV BODY ARMOR PLATE



MIRA Safety's Level IV Body Armor Plate offers the highest grade of individual ballistic protection and features only the most durable materials and manufacturing techniques. Tested to NIJ standards at a U.S. laboratory, our Level IV Body Armor range includes single curve, shooter's cut 10" x 12" ESAPI armor plates and 6" x 6" or 6" x 8" side plates.

Our hybrid armor offers enhanced range of motion and protects the wearer from small arms calibers, up to and including armor-piercing, high-powered rifle rounds in 5.56, 7.62, .308, and .30-06.

FEATURES

- // Weighs only 5.9 lbs per plate; offers vital coverage of the body without significantly hindering mobility in the field
- // Tested to NIJ standards of level IV protection, offering uncompromising protection against common 5.56, .308, .30-06, and 7.62x39 loads
- // Standard 10" x 12" Level IV plate with single-curve shooter's cut configuration, making it easy to deploy in a wide variety of plate carriers
- // Anti-spall protection from the ballistic ultra-high molecular weight polyethylene (UHMWPE) ensures that bullet fragments are absorbed by the plate, rather than expanding outwards, causing injury to the wearer's face or limbs



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MIRA[®]
TACTICAL

The image shows a black foam insert with the MIRA Tactical logo. The logo consists of the word "MIRA" in a large, white, bold, sans-serif font, with a registered trademark symbol (®) to its upper right. Below "MIRA" is the word "TACTICAL" in a smaller, white, sans-serif font, set against a horizontal orange bar that tapers at both ends. The foam insert is placed on a bed of grey gravel. To the right of the foam is a black rifle with a red and black magazine. The rifle has a red label on the magazine that reads "SP1" and "5.56 NATO". The background is a blurred view of a vehicle's interior, showing metal rails and other components.

DS-1 DECON SHOWER

The MIRA Safety DS-1 Portable Decontamination Shower is an industrial-grade solution for rapid on-site decontamination of persons wearing protective suits or for cleansing the body.

This portable facility weighs less than 200 lbs and can be deployed in less than an hour. Once up and running, the system can be used for high-volume, comprehensive, on-site decontamination around the clock.

The DS-1 offers better logistics than permanent decontamination facilities (which may be far from the worksite) and more rugged performance than most temporary decontamination showers.



FEATURES

- // Flexible and durable shower construction design, which allows for rapid inflation within seconds, when properly connected to the pump
- // Integrated shower system with five fixed nozzles and one wall-mounted hand shower for full body decontamination at nearly every angle
- // Hand shower can also be operated from outside the unit using integrated sleeves to allow for assistance by a partner
- // Portable shower assembly weighs in at just 88 lbs (40 kg); decontamination system weighs 55 lbs (25 kg) for easy transportation



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BUTYL HAZMAT OVERBOOTS

Our Butyl Hazmat Overboots are designed to fit over your existing footwear and work in conjunction with your other personal protective equipment. These CBRN boots provide more than twenty-four hours of protection against low concentrations of vapor/airborne CBRN threats and protection from direct chemical splashing. They use a lace-up fastener that fits a wide range of different sizes and footwear, while maintaining a tight fit through rigorous use. The boots are reusable and compatible with Kappler® Chemtape® for sealing. When it comes to avoiding chemical burns and potentially deadly exposure to CBRN threats, tough butyl overboots are an absolute necessity.



FEATURES

- // Protective butyl rubber overboots, produced according to the NATO AEP-38 standard
- // Superior resistance against hazardous chemical splashes and exposure
- // Provides 24+ hours of protection against vapor threats
- // Easy closure with three adjustable bindings
- // Designed to provide a snug fit for a wide range of different footwear types
- // Ridged soles for superior grip on terrain
- // Available in four sizes



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CHEMTAPE®

Kappler®'s patented, chemical-resistant ChemTape® is a PPE necessity. It provides critical reinforcement by sealing the gaps, referred to as "interfaces," where your hazmat suit meets your gloves, boots, and the edge of your respirator or gas mask facepiece.

It helps to maintain a near airtight environment inside your suit while allowing you to stay mobile. With a practically unlimited shelf life (when stored in proper conditions), ChemTape® is easy to use and highly effective.



FEATURES

- // Patented protective tape with a polyisoprene-based (rubber) adhesive
- // Protects against splashes, aerosolized threats, and exposure to particulates at the vulnerable interfaces in your PPE gear
- // Compatible with level A, B, C, and NFPA garments
- // Can be applied and removed without damaging reusable protective garments
- // Tested in accordance with ASTM F739, ChemTape® demonstrates a holdout time of at least 160 minutes against the entire battery of the ASTM F1001 list of fifteen liquids



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COMBAT CBRN OVERBOOTS

Fitting over your existing combat boots, our Combat CBRN Overboots add a layer of practical protection from CBRN threats—without sacrificing the flexibility or mobility that matters most.

Our Combat CBRN Overboots feature a unique vinyl plastisol construction. The material has a dense chemical structure that boosts resistance to chemical warfare threats while remaining impermeable to nuclear and biological threats. It's a tough but flexible material that's perfect for this kind of application.



FEATURES

- // Vinyl plastisol construction offers enhanced protection from chemical threats
- // 2mm thickness for durable protection and superior flexibility
- // Provides 24+ hours of protection against vaporized chemical threats
- // Impermeable to nuclear fallout and biological threats
- // Rugged one-piece construction
- // Universal fit with almost any combat boot in use today
Uses a single strap to ensure a comfortable and snug fit
- // Easy-to-put-on and easy-to-remove after use



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MDG-1 DECON GLOVE



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Get instant, on-demand decontamination anywhere you go with the MIRA Safety MDG-1 Personal CBRN Decontamination Glove.

Using a nontoxic formulation that immediately contains or neutralizes a wide range of contaminants, our decontamination glove is lightweight, easy to deploy, and ideal for minimizing exposure. Just rub the exposed area to remove common threats, from VX to mustard gas and beyond.

The MDG-1 uses a dry, nontoxic, and noncorrosive montmorillonite-based compound that yields an ultra-fine powder with massive amounts of surface area (particles are as small as 63 microns).

FEATURES

- // Fingerless fabric glove for rapid, single-use emergency decontamination
- // Uses nontoxic, noncorrosive, nonflammable, ultra-fine (as small as 63 microns) powder/clay compound to adsorb and wipe away toxins
- // Can decontaminate exposed skin, equipment, and/or accessories with up to 90% efficiency

HAZ-GLOVES

Our new HAZ-GLOVES, made of heavy-duty butyl, are designed for practical long-term use in a wide variety of hazardous situations. Thanks to their enhanced thickness, they provide more than 150 minutes of flexible and proven protection from toxic industrial chemicals (TICs) and chemical warfare agents (CWAs).

With a design based on the protective gloves trusted in labs and dangerous worksites around the world, these gloves can protect you from some of the most caustic and corrosive threats known to man.



FEATURES

- // Each set comes with four gloves total—two cotton glove liners to absorb moisture and make the system more comfortable to wear, along with two butyl gloves
- // 32-mil (.08 mm) butyl rubber construction—129% thicker than the U.S. military standard—for maximum durability and protection
- // Proven to provide more than 150 minutes of protection from corrosive CBRN threats
- // Allows for the operation of tools or weapons while providing comprehensive protection from CBRN contaminants



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ACCESSORIES & MISC

MB-90 PAPR



Introducing the MIRA Safety MB-90 Powered Air Purifying Respirator, the ultimate field upgrade that fundamentally improves the function of your gas mask. This system connects to your mask's filter port, using an integrated blower instead of lung power to move air, which improves airflow and creates positive pressure within the mask.

Most PAPR's on the market work only with NiMH and LiSO₂ batteries, which are prohibitively expensive and difficult to find. The MB-90 PAPR works with all three for ultimate flexibility. Additionally, the PAPR places two 40 mm filters on the unit itself, removing excess weight from the user's face.

FEATURES

- // Compact, lightweight blower mounts to your belt or pack, then connects to your gas mask via a standard 40 mm NATO hose
- // Filters attach directly to the PAPR unit instead of the gas mask for improved mobility
- // Slim form allows for use in tight/confined spaces
- // Compatible with any traditional 40 mm NATO threaded gas mask
- // Provides up to 90 L/min of sustained airflow



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CWD-1/2

CBRN DETECTION PAPER

CWD-1 and CWD-2 Detection Paper is designed to detect and differentiate between three of the deadliest groups of chemical warfare agents (CWAs): G agents (sarin, soman, tabun), V agents (VX gas), and H agents (blister agents like mustard gas).

CWD-1/2 can detect these elements in liquid form. CWD-1/2 is the world standard for CWA detection paper, and it comes in a small booklet that's easy to use and transport.

CWD-1/2 Detection Paper is designed to provide you with crucial knowledge about CWAs in less than a minute.



FEATURES

- // Detects three distinct families of CWAs in liquid form in as little as thirty seconds
- // Each booklet contains twelve sheets of detection paper with a color guide and instructions
- // The same CWD-1/2 paper is used by professionals worldwide in both military and civilian applications
- // Operating temperature ranges from -40°C to 60°C (-40°F to 140°F)



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DETECT LIQUID ONLY

G: NONE
H: HEAVY

PAPR POUCH

The MIRA Safety Custom MOLLE PAPR Pouch is designed to mount your MB-90 PAPR on your existing MOLLE-compatible plate carriers, backpacks, and other gear. That means you can integrate powered CBRN protection into your kit while optimizing weight distribution and streamlining overall fit.

MIRA Safety has made a number of improvements to the MB-90 itself, from a more rugged housing to an improved battery system. Now, with the MOLLE PAPR Pouch, we've improved your PAPR's logistics and deployment.



FEATURES

- // Made from 600D ripstop nylon, for load-bearing strength and abrasion resistance
- // Allows your MB-90 PAPR to mount directly on your existing MOLLE compatible plate carrier, backpack, and other gear
- // Available in black or MIRACAM for blending in with your environment and low-profile operations



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MIRA[®]
SAFETY

MILITARY POUCH

Our upgraded Gas Mask Pouch is designed for rapid deployment and protection of your respiratory gear. Made from durable 600D PVC-coated nylon, this versatile pouch accommodates most fully assembled gas masks with attached filters. Its adjustable straps and multiple carrying options ensure comfort and accessibility in various situations, from emergency preparedness to tactical operations.



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FEATURES

- // Rapid gas mask deployment
- // Fits assembled mask with filter
- // Rugged 600D nylon construction
- // Multiple carrying configurations available
- // Compact yet spacious design
- // Doubles as tactical dump pouch
- // Padded backing for comfort
- // Compatible with all MIRA Safety Gas Masks

MIRA[®]
SAFETY



CWD-3 DETEHIT DETECTION STRIPS

DETEHIT CWD-3 Detection Strips help you identify dangerous concentrations of chemical warfare agents (CWAs) and insecticides in the air, water, food, or on hard surfaces.

These strips are designed to identify two of the deadliest groups of CWAs—G agents (sarin, soman, tabun) and V agents (VX gas)—and popular pesticides. Professionals worldwide use DETEHIT detection strips for both military and civilian applications.

While these strips won't distinguish between different types of deadly CWAs, they can give you insight into concentration of CWA threats.

FEATURES

- // Detects nerve agents in the air in as little as two to three minutes
- // Ten individually packaged strips per sealed tube with instructions
- // Compact packaging is pocket-friendly and easy to carry
- // A single strip can test for airborne CWAs and indicate whether concentrations have reduced enough to safely remove PPE



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MIRA[®]
SAFETY

DROP-LEG MILITARY POUCH



Keeping your gas mask accessible and ready at a moment's notice is crucial to maintaining maximum safety and survivability. Our rugged nylon gas mask bag is designed to do exactly that: protect your gas mask and keep it comfortably on your hip all day long.

Based on two years of feedback, the second version of our gas mask pouch improves the original design.

In a matter of seconds, you can deploy your mask to protect yourself from various chemical, biological, and radiological threats. Our gas mask pouch is flexible enough to fit most gas masks and carry configurations.

FEATURES

- // Rugged ripstop 600D PVC/coated nylon
- // Comes with adjustable leg straps and an adjustable/removable shoulder strap
- // Side-release buckles and loop closure provide tight and secure storage
- // Secured Y-harness configuration, with heavy-duty straps and quick-release swivel buckles
- // Designed to be compact, and will hold any MIRA Safety gas mask/filter combo fully assembled
- // Dimensions: 11" high, 8" wide, 4.5" deep
- // Weight: 492 g



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MIRA[®]
SAFETY

GAS MASK MICROPHONE

TWO CONNECTORS:

- 2-PIN NEXUS
- 3.5MM JACK



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Get crystal clear communication in any environment with the MIRA Safety Gas Mask Microphone. It's engineered to replace the existing exhalation valve cover of your MIRA Safety gas mask, an upgrade that can be installed in seconds without tools.

Installation takes just a few seconds, and you're ready to connect to your existing communication system. Just like a standard headset, the microphone requires no additional power, and it has an average life expectancy of 30,000 hours.

FEATURES

- // Noise-canceling, dynamic, moving-coil microphone in a tough polymer housing
- // Available in a two-pin NEXUS U-173/U connector for compatibility with Peltor and Ops-Core headsets, or a 3.5 mm version, which is compatible with the VPU-1
- // Replaces your existing gas mask exhalation valve cover for quick and easy installation
- // Heavy-duty polymer construction with durable retaining ring
- // IP67-rated for protection against dust, water, and oil
- // Can be fully submerged in up to three-feet of water for a half hour (Not recommended.)

MIRA[®]
SAFETY

VPU-1 RESPIRATOR VOICE PROJECTION UNIT

The MIRA Safety VPU-1 Respirator Voice Projection Unit amplifies and projects your voice while wearing a respirator. It's an ideal solution for professionals who need to be heard loud and clear, but also need to wear a PPE mask on duty.

Working with your existing gas mask and gas mask microphone, our VPU features a rechargeable battery and is optimized to withstand exposure to extreme temperatures, vibration, water, salt, fog, and dust.



FEATURES

- // Simple, easy-to-use interface with just three buttons
- // Requires the 3.5 mm jack version of the MIRA Safety gas mask microphone
- // Connects directly to MIRA Safety Gas Mask Microphone that can be mounted on your respirator's exhalation valve
- // IP67 certified (IEC standard 60529, submersible for up to a half an hour)
- // Included rechargeable lithium-ion battery
- // Approved according to PPE directive 89/686/EEC and EMC directive 89/336/EEC



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MIRA[®]
SAFETY

GEIGER-2

Protect your family and yourself from concentrated radiation, industrial accidents, and nuclear disasters with the compact MIRA Safety Geiger-2 Portable Dosimeter.

Engineered to provide a small yet functional dosimeter solution for civilians, the Geiger-2 radiation detector is a fully customizable, rechargeable product based on professional-grade equipment—at a price that's within reach for every family.



FEATURES

- // Simple two-button operation is easy enough for a child to use, but as accurate as professional-grade equipment
- // Integrated solar panel to boost charge during daylight hours
- // Operational in temperatures as low as 51°F (10.5°C)
- // Accurately reads radiation levels in twenty seconds
- // Detects radiation levels as low as 0.999 $\mu\text{Sv/h}$
- // Full-color digital 1.1 inch LCD display provides key information at a glance



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MIRA[®]
SAFETY

CBRN ANIMAL ARK

The MIRA Safety FirstBreed Collapsible CBRN Animal Ark is a reusable dome, designed to protect pets from hazardous chemical and biological warfare agents, radioactive particles, and even smoke inhalation.

The Ark deploys in seconds, folds, stores easily, and uses a powered air-purifying respirator to create a compact, protective enclosure for your cherished pets. With a lightweight, industrial-grade plastic frame and spacious interior, it uses the MB-90 PAPR (sold separately) and a set of 40mm NATO threaded filters.



FEATURES

- // Four-layer laminate-230 and military-grade carbon plastic
- // 40 mm NATO threaded hose
- // Comes with storage duffle bag
- // Works as a positive pressure system in conjunction with the MB-90 PAPR (sold separately and required for operation) and can last up to twelve hours
- // Fully translucent and transparent construction to keep a close eye on your pet
- // Can be mounted on a stroller, wagon, sled, or a pickup truck bed for easy transport



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MIRA[®]
SAFETY

MIRA KI

POTASSIUM
IODIDE TABLETS



These potassium iodide tablets are a potentially life-saving solution for exposure to radioactive iodine (I-131) in the aftermath of a nuclear accident or explosion.

The tablets work by flooding your body with safe iodine to prevent the absorption and accumulation of radioactive iodine. Radioactive iodine can otherwise lead to an increased risk of thyroid cancer—and your thyroid gland is crucial for managing everything from your nervous system to your heart rate.

FEATURES

- // Each tablet contains 65 mg of potassium iodide
- // Tablets can easily be split to manage dosing for both children and adults
- // Each container comes with sixty tablets, or thirty adult doses (sixty for children)
- // Metered dose with minimal risk of side effects or discomfort
- // Ten-year shelf life for long-lasting reliability



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MIRA[®]
SAFETY

DTX-1 FOOD DETOXIFIER



The DTX-1 Food Detoxifier is a revolutionary device that cleanses your fruits, vegetables, meats, and even household items on the molecular level for safe consumption and use. The device uses ultrasonic waves to remove various contaminants, such as chemicals, pesticides, toxins, and other impurities, which then splits and dissolves them in water. This professional-grade, lab-tested purifying machine is one of the best possible methods of ensuring your food and personal items stay clean.

Handheld detoxifier uses a combination of ultrasonic waves and rapid oxidation to release and dissolve toxins in order to cleanse both water and produce.

FEATURES

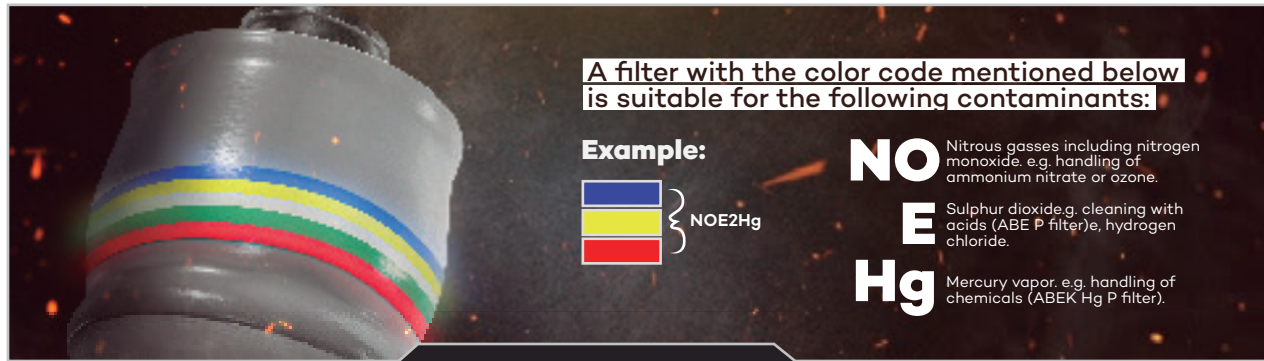
- // User-friendly touchscreen display
- // Durable construction, designed for maximum rapid cleansing
- // Special detox process uses zero chemicals, solvents, cleaning agents, or additives
- // Once activated, the unit uses a high-power ultrasonic generator to remove contaminants on the surface of foods or suspended in drinking water
- // Simple and easy process can be performed daily













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MIRA
SAFETY

FILTER COLOR CODES



Color Code	Filter Type	Contaminants Present	Typical Applications & Their Contaminants
	AX	Gasses and vapors of organic compounds with boiling point < 65°C	e.g. handling of acetone
	A	Gasses and vapors of organic compounds with boiling point > 65°C	e.g. handling of solvent vapors during painting, paint removal or gluing (A filter with additional particle protection)
	B	Inorganic gasses and vapors, e.g. chlorine, hydrogen sulphide, hydrogen cyanide	e.g. during welding (ABE P filter)
	E	Sulphur dioxide, hydrogen chloride	e.g. cleaning with acids (ABE P filter)
	K	Ammonia and organic ammonia derivatives	e.g. handling of liquid manure (ABEK-Filter)
	CO	Carbon monoxide	e.g. protection against fire gasses (as an escape device), handling of hydrogen (CO NO P filter)
	Hg	Mercury vapor	e.g. handling of chemicals (ABEK Hg P filter)
	NO	Nitrous gasses including nitrogen monoxide	e.g. handling of ammonium nitrate or ozone (NO P filter)
	Reaktor	Radioactive iodine including radioactive methyl iodide	x
	P	Particles	e.g. grinding, cutting, drilling, contact with bacteria or viruses

FILTERS

	NBC-17	NBC-77	P-CAN	PARTICLEMAX	P-CAN COMPACT	PARTICLEMAX COMPACT	VK-530
Rating	A2B1E1K1 P3 D R	A2B2E2K2HgSX P3 D R REACTOR	A2SXP3 D R (OC, CR, CS)	P3 R D	A1SXP3 D R (OC, CR, CS)	P3 R	A2B2E2K2HgNO 20COP3 R
Breathing Resistance (Typical)	<200 Pa at 30 L/min	<140 Pa at 30 L/min	<160 Pa at 30 L/min	~60 Pa at 30 L/min	<200 Pa at 30 L/min	68 Pa at 30 L/min	68 Pa at 30 L/min
Diameter	90 mm	110 mm	110 mm	110 mm	90 mm	85 mm	85 mm
Height	85 mm	85 mm	75 mm	55 mm	85 mm	47 mm	47 mm
Average Weight	205 g	335 g	290 g	99 g	205 g	67 g	490 g
Shelf Life in Storage	20 years	20 years	10 years	20 years	10 years	20 years	5 years
Protection	Odor TICs Particulates Riot Agents ABEK Agents Mercury Vapor CBRN/NBC Agents Radioactive Iodine	Odor TICs Particulates Riot Agents ABEK Agents Mercury Vapor CBRN/NBC Agents Radioactive Iodine	Odor Particulates Riot Agents	Particulates	Odor Particulates Riot Agents	Particulates	Organic gasses and vapors with a boiling point >65°C; inorganic gasses and vapors; sulphur dioxide; ammonia; oxides of nitrogen, carbon monoxide, mercury vapors and mercury compounds; particles of toxic and highly toxic substances



FILTERS

NBC-17

NBC-77

P-CAN

PARTICLEMAX

P-CAN COMPACT

PARTICLEMAX COMPACT

VK-530

Filter Type and Class

Particle: P3 High-efficiency (99.95%), Organic gasses & Vapors-boiling point > 65°C: A2 (5000 PPM), Inorganic gasses and Vapors (not CO): B1 (1000 PPM), Acid Gasses: E1 (1000 PPM)

Particle: P3 High-efficiency (99.95%), Organic gasses & Vapors-boiling point > 65°C: A2 (5000 PPM), Inorganic gasses and Vapors (not CO): B2 (5000 PPM), Acid Gasses: E2 (5000 PPM), Ammonia and organic derivatives: K2 (5000 PPM), Mercury Vapors: Maximum allowed time of use: 50 hours, Radioactive Iodine: Maximum allowed time of use: 2 hours (EN Standard)

"Particle: P3 High-efficiency (99.95%), Organic gasses & Vapors-boiling point > 65°C: A2 (5000 PPM) (EN Standard) "

Particle: P3 High-efficiency (99.95%)

Particle: P3 High-efficiency (99.95%), Organic gasses & Vapors-boiling point > 65°C: A1 (1000 PPM)

Particle: P3 High-efficiency (99.95%)

Class 2 protection against all generic pollutants as prescribed by EN 14387. Class 3 filtration against particles according to EN 143.

Suitable Protection Against:

Ammonia, Arsine, Asbestos, Bacteria, Benzene, Blister agent, Blood agent, Bromine, Carbon Tetrachloride, Chlorine, Chloroacetophenone (CN), Chloropicrin, o-Chlorobenzylidene Malonanitrile (CS), Cyanogen, Cyanogen Chloride (CK), Cyclohexane, Fluorine, Fentanyl, Formaldehyde, Hydrogen Chloride, Hydrogen Cyanide (AC), Hydrogen Fluoride, Hydrogen Sulfide, Lewisite, Methylamine, Methyl Bromide, Mustard (HD), Nerve agent, Nuisance dusts, Nuisance odors, Oleoresin Capsicum (OC, pepper gas), Organic vapors w/ boiling point >65°C, Particulates, Phosgene, Phosphine, Radioactive particulates, Sarin (GB), Soman (GD), Sulphur Dioxide, Tabun (GA), Toluene, Virus, VX, Xylene

Ammonia, Arsine, Asbestos, Bacteria, Benzene, Blister agent, Blood agent, Bromine, Carbon Tetrachloride, Chlorine, Chloroacetophenone (CN), Chloropicrin, o-Chlorobenzylidene Malonanitrile (CS), Cyanogen, Cyanogen Chloride (CK), Cyclohexane, Fluorine, Fentanyl, Formaldehyde, Hydrogen Chloride, Hydrogen Cyanide (AC), Hydrogen Fluoride, Hydrogen Sulfide, Lewisite, Methylamine, Methyl Bromide, Mustard (HD), Nerve agent, Nuisance dusts, Nuisance odors, Oleoresin Capsicum (OC, pepper gas), Organic vapors w/ boiling point >65°C, Particulates, Phosgene, Phosphine, Radioactive particulates, Sarin (GB), Soman (GD), Sulphur Dioxide, Tabun (GA), Toluene, Virus, VX, Xylene

Asbestos, Bacteria, Benzene, Bromine, Chloroacetophenone (CN), o-Chlorobenzylidene Malonanitrile (CS), Fentanyl, Nuisance dusts, Nuisance odors, Oleoresin Capsicum (OC, pepper gas), Organic vapors w/ boiling point >65°C, Particulates, Radioactive particulates, Toluene, Virus

Asbestos, Bacteria, Fentanyl, Nuisance dusts, Particulates, Radioactive particulates, Virus

Asbestos, Bacteria, Benzene, Bromine, Chloroacetophenone (CN), o-Chlorobenzylidene Malonanitrile (CS), Fentanyl, Nuisance dusts, Nuisance odors, Oleoresin Capsicum (OC, pepper gas), Organic vapors w/ boiling point >65°C, Particulates, Radioactive particulates, Virus

Asbestos, Bacteria, Fentanyl, Nuisance dusts, Particulates, Radioactive particulates, Toluene, Virus

Protection against carbon monoxide tested according to DIN 58620



GAS MASKS

	CM-6M	CM-7M	CM-101	CM-3M	MD-1
External Approvals	EN 136:1998, Class III, EN 148-1	EN 136:1998, Class III, EN 148-1, EN-168	EN 136:1998, Class III, EN 166	MIL-STD-282 (method 204.1.1.), ASTM D638, ISO 2039-1, etc.	EN 148-1
Country of Origin	Czech Republic	Czech Republic	Italy	Israel	Serbia
Shelf Life	20 years	20 years	6 years	15 years	10 years
Weight	500 g	500 g	571 g	560 g	500 g
Effective Field of Vision	77.6%	71.5%	-	N/A	>70%
Binocular/Overlapped Field of Vision	83.8%	34%	-	N/A	>70%
Filter Connection Thread	Rd 40 x 1/7"	Rd 40 x 1/7"	Rd 40 x 1/7"	Rd 40 x 1/7"	Rd 40 x 1/7" (Hose)
Visors	Silicate glass	Polycarbonate	Polycarbonate	4-layer PVC/nylon/nylon/PVC	Polycarbonate
Sizes	Small, Medium, Large	Universal size (medium)	Universal size (medium)	Universal size	Medium, large
Drinking System	Yes	Yes (optional)	No	Yes	No
Material of the Facepiece	Bromobutyl rubber, non-irritating	Bromobutyl rubber, non-irritating	Thermoplastic rubber	4-layer PVC/nylon/nylon/PVC	Natural rubber for comfort
Exhalation Resistance	60 Pa at 30 L/min	60 Pa at 30 L/min	92 Pa at 30 L/min	60 Pa at 30L/min	90 Pa at 30 L/min
Tested Resistance Against NBC Agent (S-Mustard Gas)	>48 hours	30 hours	-	240 minutes	180 minutes
Bottom Line	General purpose use, navigating toxic environments with full situational awareness	Military and combat applications, for use with rifles and night vision optics	Industrial field hazards, including marine, agricultural, biomedical, and chemical/pharmaceutical applications	Simple to use, robust CBRN escape tool; able to accommodate younger children	Affordable CBRN protection for children



PROTECTIVE SUITS

HAZ-SUIT

MOPP-1 CBRN PROTECTIVE SUIT

Construction	Multi-layer barrier film laminated to a polypropylene substrate	Semi-permeable combination of ripstop nylon, lenzing FR, polyamide with carbon filter lining
Size Availability	YS, YL, XS, SM/MD, LG, XL, 2X/3X	SM/MD, L/XL, 2XL/3XL
Retention Straps	Elastic	Velcro
CBRN Protection	Droplets or liquid form of chemical warfare agents and toxic industrial chemicals (including mustard gas, VX, soman), radioactive dust, alpha and beta particles, biologically active particles	Vapors, aerosols, droplets of chemical warfare agents (including mustard gas, VX, soman), radioactive dust, alpha and beta particles, biologically active particles,
Flame Resistant?	No	Yes, ISO 6940:2004
Shelf Life	Virtually unlimited	10 years
Additional PPE Required	Gas mask, filter, CBRN gloves, CBRN boots, ChemTape®	Gas mask, filter, CBRN gloves, CBRN boots
Primary Use Case	Industrial chemical accidents	Chemical warfare environment
Bottom Line	Affordable option for CBRN protection. Offers limited protection from gasses and vapors. Can be decontaminated and re-used, but typically intended for a single use application.	Advanced option for CBRN protection; for primary use in combat and military applications in the presence of chemical warfare agents.



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