SUPERSAFE
CBRN Military

IMPERTECH
BY SUPERGUM

CBRN MILITARY KIT

Impertech-Safety has been producing and supplying these kits for over than 40 years to the IDF Israei army and other armies worldwide. These CBRN military kits are exclusively sold to selected militaries and exclusive defense forces and meet the most stringent requirements and standards.

Kit includes the following:
1x Sapphire Military Gas Mask
2x New Sealed NBC Filters
Onyx 90 Blower + Battery case + 8 Batteries
Aquamarine Type III - high performance CBRN suit
SuperSafe rubber overboots
Supersafe butyl rubber gloves
Rugged water resistant black branded bag (fits all items)

Comments: *You will need to specify your suit size (or height), shoe size and glove size at the time of order placement. *You can order extra compatible filters, batteries, and battery cases. This kit has a shelf life of 15 years in the original packaging conditions.

The SuperSafe CBRN kits contain high-quality products which help protect individuals working in the military and defense sectors and global communities in times of chemical, biological, radiological and nuclear threats.

The SuperSafe Aquamarine Type III Hazmat Suit is made out of durable fabric that offers excellent chemical protection to an extensive range of chemicals, helping to protect personnel against numerous toxic industrial organic chemicals, highly concentrated inorganic chemicals, particulates, biohazards and certain chemical warfare agents.

The SuperSafe Aquamarine Type III Hazmat Suit was originally developed for the IDF (Israeli Federal Army) and is also used for a broad range of applications from chemical spill clean-up, emergency response, to military and petrochemical applications.

The Sapphire CBRN Mask is the ultimate protection hood for CBRN protection. The Sapphire has a powerful seal and a positive pressure system, providing a protection factor of 10,000 PPM.

The Sapphire mask also has a powerful air-supply with the attachment of blower (Onys-90) to supply air up to 90 liters per minute, to improve protection and physiological comfort. The large polycarbonate visor integrated into the hood allows clear, and undistorted vision. The Sapphire hood also includes an internal drinking mechanism for liquid consumption via drinking straw.

Technical and certification standards info for Aquamarine Type III:

Chemical protective clothing, Category III	Type 3-B, 4-B, 5-B and 6-B
Certified according to regulation	(EU) 2016/425
EN 14126 (barrier to infective agents)	EN 1073-2 (protection against radioactive contamination)
Antistatic treatment	(EN 1149-5)
Double closure of zipper and flap closure system for higher protection	
EN 1073-2	Radiation and Contamination
EN 1149-1	Antistatic treatment
EN 13034	Liquid Chemicals
EN 14126 P	Infections Viruses and Bacteria
EN 14605	liquid chemicals
EN 374-1	Dangerous chemicals and micro-organisms
EN ISO 13982-1	solid particulates

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Aquamarine Protective Suit

Protective NBC Hazmat Suit Type III

This Aquamarine military respiratory protection suit is designed specifically for military and first responders, e.g. police, fire fighters and medical rescue teams involved in CBRN protection. The Aquamarine Respiratory Suit offers full coverage against the most severe airborne threats, while providing the highest levels of protection and performance. The Aquamarine Respiratory Suit is manufactured and tested in accordance with the specifications of the Israeli Defense Forces and Ministry of Defense, and is standard equipment among the israeli military and first responders.

Main Features & Advantages

- The Aquamarine Respiratory Suit provides a protection factor of 10,000.
- Powerful air-supply: The Aquamarine Suit us equipped with a 100 liter/minute blower for ample air supply, suitable for preforming emergency tasks.
- One-size fits all: The Aquamarine Respiratory Suit is neck-sealed and is compatible with eyeglasses, beards, etc.
- User-friendly: The Aquamarine Suit has a Wide visor for maximum field of vision, easy to don and doff, and comfortable for prolonged use.
- Long shelf life: The Aquamarine Respiratory Suit has a shelf life of 15 years in original packing.
- The Aquamarine Respiratory Suit is provided with a 100 L/min blower with a flexible hose, batteries fitted for 15 hours of continuous work, and 2 standard NBC filters. An internal drinking mechanism is also featured.

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Sapphire Protective Mask

The Adult Sapphire Protective Hood is a new concept in human respiratory protection against CBRN Hazardous Materials. The hood provides a high degree of reliable protection and physical comfort, regardless of facial structure or manual dexterity. The hood is designed for individuals aged 13 years and above.

Main Features & Advantages

- Supreme protection: Hood-shaped for maximum seal and positive pressured, and provides a Protection Factor of 10,000 PPM.
- Powerful air-supply: The hood becomes a positive pressure system through the attachment of a blower (IMP 2005), supplying air up to 90 L/minute. This significantly improves protection and physiological comfort.
- One-size fits all: The hood is made of soft silicon laminate that seals around the user's neck and is compatible with eyeglasses, beards, etc.
- Vision clarity: The hood is integrated with a large polycarbonate visor, thus permitting clear, undistorted vision.
- The nose-cup: is tightened and positioned on the face using the two diagonal straps and quick release buckles on the back of the hood.
- User-friendly: Wide visor for maximum field of vision, easy to don and doff, comfortable for prolonged use.
- Long shelf life: The system has a shelf life of 15 years in original packing (batteries - 8 years).
- The Sapphire Mask is especially adapted for use by:
  - The police and law enforcement forces
  - First responders
  - Medical teams

Certifications

Foreign Army Documents:

- MIL STD 282
- MIL V 43511C
- MIL C 83409

Testing processes:

- ASTM D 624
- ASTM D 638
- ASTM D 882
- ASTM D 1938
- ASTM D 2240
- ASTM D 2261
- ASTM D 2582

European standard:

- EN 166: 1995
- EN 167: 1995
- EN 168: 1995
- EN – 148- 1
- DIN 53508
- DIN 53512
- DIN 53505
- DIN 53504

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NSF-ISR Registered to AS9100 (with ISO 9001)

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The Onyx-90

90 Liter Per Minute Respirator Blower

This enhanced Onyx-90 assistant blower, is made of polycarbonate, and designed for evacuation of forces as well as for civil uses. It creates an overpressure within the interior space of the mask, preventing the entry of chemical and biological warfare agents. The blower makes it easy to breathe and enhances the comfort of using a standard rubber mask. The Onyx-90 blower supplies approximately 90 liters of air per minute via two filters, and is powered to work for 8 hours of continual operation. This Onyx-90 blower is fitted with loops and can be clipped on hip, back or leg, to allow use without limiting freedom of motion. The blower is equipped with a monitor lamp, so that users can verify its proper operation at all times.

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Hematite CBRN Filter

The Hematite CBRN Filter is made from a rigid envelope that utilizes internal layers to provide effective protection against CBRN agents. The Hematite CBRN filter is manufactured per requirements defined by Israeli authorities' specifications. The Filter structure Allows low resistance breathing, excellent shielding properties and high mechanical resistance.

Connectivity

The filter includes a standard thread and can be connected to protective systems manufactured in accordance with CBRN standards.

Materials

- Construction Material – Nuril + 10% GF
- Particulate Filter – HEPA H13

Dimensions

Height: excluded thread: 63±1 mm
Include thread: 82±1 mm
Diameter: 114±1 mm
Maximum Weight: 270gr

Storage

Storage time: The filter's shelf life is over 20 years when stored in its original packaging.
Storage conditions: temperature range -10°C e +50°C, Relative Humidity < 80%.

CBRN Filter is especially adapted for use by:

- The police and law enforcement forces
- Security forces
- IDF – Israel Defense Forces
- Medical teams
- Emergency medicine rescue forces
- Firefighting forces
- Hospital/pharmacy staff
- Production line employees who use masks frequency

Protection Level

EN Standard	EN14378:2004 +A1
Markings	EN143-2000+A1
Thread	EN148-1:1999

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NBC Hand & Leg Covering

Hands & feet protection

Protective Overshoes

The type III Aquamarine respiratory Suit is designed to be worn over shoes, the protective overshoes come with an adjustable lace for easy fitting. The Protective Overshoes are designed for prolonged use by designated NBC forces, and are manufactured and tested in accordance with Israeli Defense Forces specifications. Protective Overshoes Type I & Type III are available in several sizes.

Protective Boots

Worn instead of shoes, the Protective Boots offer feet protection and act as a supplement for maximum body protection. Principally intended for strenuous work and prolonged walking. The boot's design enable stable walking on all surface types. Made of strong butyl rubber, the boots provide total impermeability to chemical and biological warfare agents for at least six hours. Available in several sizes.

Protective Gloves

The glove set contains rubber gloves and cotton-fabric gloves: The rubber gloves made out of strong, resistant, flexible and especially thin butyl rubber that offer users both dexterity and protection. Impermeable to chemical and biological warfare agents for at least six hours. These gloves manufactured in accordance with U.S. Military specification MIL-G-43976. The Cotton-Fabric Gloves absorb perspiration and are designed to be worn beneath the rubber glove.

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