

# MSA's Universal Size CBRN Safe Escape Respirator



- ➔ One universal size
- ➔ Easily fitted; can be worn by almost anyone
- ➔ Easy, quick donning
- ➔ Accommodates long hair, glasses, and facial hair
- ➔ Minimal training needed
- ➔ NIOSH Approved TC-14G-0284

We hope you never need to use an escape respirator. However, in an emergency you can depend upon MSA's CBRN Safe Escape respirator to help you escape chemical, biological, radiological or nuclear hazards.

MSA's universal size respirator is easy to store in a cabinet, in your desk, at your side, or across the room. With inside-the-hood self-adjusting cradle-type head straps, and no external straps to catch on things during escape, our universal size respirator will simplify your escape.

#### Features

*Translucent hood design with 1-piece large bonded lens*

- High-performance laminate hood material resists chemical attack
- Secure protection (no nose clip or mouth bit)
- Wide field of view for optimal visibility
- Reduces claustrophobia
- No noisy (crinkling) problems of cellophane hood, so it's easy to hear emergency instructions, vehicles, and other information, while respirator is in use



**MSA**  
The Safety Company™



Homeland security universal size respiratory protection for emergency escape. Clear hood-style with bonded lens and CBRN canister for 15-minute escape protection. Packed securely in easy-open hexagonal case for convenient storage.

**CBRN (Chemical, Biological, Radiological, Nuclear) high-efficiency particulate filter and activated carbon canister**

- Air flows through the canister directly into the nose cup; Inlet check-valves maximize filter performance; Air exits directly through the exhalation valve
- Canister is permanently bonded to the respirator coupling nut for secure connection

**Soft, high-stretch rubber neck seal**

- Conforms to neck contours and irregularities
- Comfortable, yet secure enough to provide a reliable seal
- Easy donning

**Hair tie**

- An elastic hair tie allows you to secure your hair before donning the respirator

**Nose cup**

- Helps reduce lens fogging and carbon-dioxide buildup
- Allows communication superior to devices that use a mouth bit

**Distinctive black polyethylene Hextreme™ hexagonal storage case**

- Secure, yet easy to open case for immediate use
- Hexagonal shape promotes strong but lightweight storage, cases nest together for easy group caching
- Standard respirator has color-coded labels  
Tactical version has black & gray labels
- Foil-bagged respirator ensures protection from ambient environment
- Respirator packed securely inside case has 5-year shelf life from date of manufacture

**Canister Test Challenge and Test Breakthrough Concentrations**

Agent	Test Concentration	NIOSH CBRN Allowable Breakthrough	Safe Escape Average Breakthrough Time
HD-Vapor	50 mg/m <sup>3</sup>	0.6 mg/m <sup>3</sup>	> 45 min.
GB	210 mg/m <sup>3</sup>	0.087 mg/m <sup>3</sup>	> 45 min.
Ammonia	1250 ppm	25 ppm	> 40 min.
Cyanogen chloride	150 ppm	2 ppm	> 30 min.
Cyclohexane	1300 ppm	10 ppm	> 40 min.
Formaldehyde	250 ppm	1 ppm	> 120 min.
Hydrogen cyanide	470 ppm	4.7* ppm	> 200 min.
Hydrogen sulfide	500 ppm	5 ppm	> 200 min.
Nitrogen dioxide	100 ppm	1 ppm NO <sub>2</sub>	> 50 min.
Phosgene	125 ppm	1.25 ppm	> 450 min.
Phosphine	150 ppm	0.5 ppm	> 290 min.
Sulfur dioxide	750 ppm	5 ppm	> 30 min.

\* Sum of HCN and C<sub>2</sub>N<sub>2</sub>

**Sales Information:**

Part Number	Description
10073702	Universal size Safe Escape CBRN Respirator, standard version
10073923	Universal size Safe Escape CBRN Respirator, tactical version
10073703	Universal size Safe Escape CBRN Respirator, training version
10068310	Optional carrying straps & harness

**Note:** The only difference between the standard version and tactical version is the outer labeling on the hextreme case.



Accommodates eyewear and facial hair



Comfortable secure fit



Multi-purpose carrying strap for leg or shoulder

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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