

**Protecting the Protectors Since 1914.**



**Advantage<sup>®</sup> 1000  
Riot Control Agent  
Gas Mask**



## Advantage® 1000 Riot Control Agent Gas Mask

- NIOSH-approved for protection against CN and CS tear gas.
- One-piece polyurethane lens provides wide, unobstructed field - of - vision and extended wearing comfort.
- Dual-canister mount eases weapon sighting, using either eye.
- Effective against OC tear gas.
- NIOSH approved for protection against many Meth-Lab hazards.

MSA's Advantage 1000 Riot Control Agent (RCA) Gas Mask is specifically designed for law enforcement and homeland security applications. The gas mask is NIOSH-approved (No.TC-14G-0235) for protection against chloroacetophenone (CN), chlorobenzylidene (CS), P100 particulate efficiency level, and particulates. The gas mask is effective against, but does not have NIOSH approval for oleoresin capsicum, the "active" ingredient of OC Tear Gas. The Advantage 1000 RCA Canister provides up to eight hours service time against CN, CS, and OC agents.

The Advantage 1000 Riot Control Gas Mask features a clean, simplified respirator design with a single low-profile canister. It delivers high performance, customized fit, comfort, economy and user acceptance. The super-soft Hycar facepiece (based on a proven design developed for the U.S. Armed Forces) is up to 40% lighter than conventional full-face respirators.

Molded of black Hycar - a specially formulated combination of natural rubber and synthetic materials - the Advantage 1000 Riot Control Agent Gas Mask resists chemical attack and temperature extremes, can withstand rugged daily use and still give a snug, comfortable fit. The fully elastic, 6-point head harness dons, doffs, and adjusts easily, with no hair pulling.

A flexible, one-piece polyurethane lens bonded to the facepiece eliminates the need for a rigid lens and lens ring that can cause uncomfortable pressure points. Wrap-around lens design provides excellent peripheral vision. Low profile design minimizes dead-air space and permits easy integration with most visored police helmets.

The facepiece has canister inlet ports on either side of the facepiece. The canister position (bayonet mount) can be switched to enable the user to sight a weapon from either shoulder.

Standard equipment includes a speaking diaphragm for clear, short-range communications, or add MSA's optional ESP II Communication System. The facepiece also features a nose cup to reduce lens fogging in low temperatures or high humidity conditions.



*Position the bayonet-mount canister on either the left or right inlet port to enable weapon sighting with either eye.*

## Clandestine Drug Labs

Dismantling clandestine drug labs can be a deadly business. Precursor chemicals can pose serious hazards for law enforcement personnel and enforcement operations can generate toxic and combustible gases.

***Always thoroughly test the atmosphere in the vicinity of a drug lab for oxygen content, toxicity, and combustibility.***

In non-IDLH atmospheres, with at least 19.5% oxygen MSA's Advantage 1000 Riot Control Agent Gas Mask equipped with a pair of GME P100 cartridges can provide protection against many of the hazards associated with drug manufacture, such as organic vapors, acid gases, ammonia, and airborne particulates.



MSA GME-P100 Cartridges and the Advantage 1000 Gas Mask are NIOSH approved for protection against the following gases and particulate aerosol threats commonly present when dismantling clandestine drug meth labs:

- Organic Vapor
- Chlorine Dioxide
- Ammonia
- Hydrogen Fluoride
- Chlorine
- Hydrogen Chloride
- Methylamine
- Particulates
- Sulfur Dioxide
- Hydrogen Sulfide (escape only)
- Formaldehyde

Challenge Agent	Challenge Concentration, mg/m3	Relative Humidity, %	Minimum Service Time Requirement	TEST RESULTS: Service Time until break, in minutes
Ortho-Chlorobenzylidene Malononitrile (CS) Tear Gas irritant	23 ± 8	50 ± 3	480 minutes until a 0.4 mg/m3 break	>480
CS after Equilibration for 6 hours @25% RH	23 ± 8	25 ± 3	480 minutes until a 0.4 mg/m3 break	>480
CS after Equilibration for 6 hours @85% RH	23 ± 8	85 ± 3	480 minutes until a 0.4 mg/m3 break	>480
A-Chloroacetophenone (CN) Tear Gas irritant	101 ± 6	50 ± 3	480 minutes until a 0.3 mg/m3 break	>480
CN after Equilibration for 6 hours @25% RH	101 ± 6	25 ± 3	480 minutes until a 0.3 mg/m3 break	>480
CN after Equilibration for 6 hours @ 85% RH	101 ± 6	85 ± 3	480 minutes until a 0.3 mg/m3 break	>480
Oleoresin capsicum (C18H27NO3), the "active" ingredient of the OC tear gas irritant	0.036	50 ± 3	None	>480 until a 0.001 mg/m3 break

## Ordering Information

### Advantage 1000 Riot Control Agent Gas Mask

Complete with canister, nosecup, and identification tag.

Part No.	Description
813860	Advantage 1000, small
813859	Advantage 1000, medium
813861	Advantage 1000, large

### Canisters for Advantage 1000 Riot Control Agent Gas Mask.

Part No.	Description
817590	Advantage 1000 Riot Control Agent Canisters, box of 6
815366	Advantage GME-P100 Cartridges, Package of 2



Riot Control Agent Canister



Advantage GME-P100 Cartridges

## Accessories

### ESP® II Communications System

The ESP II Communications System, a 1-piece, self-contained, electronic speech projection device, allows wearers to speak normally yet be heard loud and clear.



- Lightweight; maintains visibility; comfortable to wear and easy to use.
- Compact and rugged; resists water, heat and impact.
- Compatible with hand-held radios for clear, long-range communications.
- Uses two standard AAA alkaline batteries, which last up to 18 hours.

Part No.	Description
10026265	ESP II Communications System for Advantage 1000 Facepiece

### Spectacle Kit

For use by those who must wear corrective lenses; easily inserted into the facepiece. Kit includes wire support, rubber guide and one pair of metal-frame spectacles.



Part No.	Description
816137	Prescription Spectacle Kit, Universal bridge, 44 mm lens size (less lenses); for use with Advantage 1000 Facepiece

### Carriers

Belt-mountable carriers keep respiratory protection at your side.

Part No.	Description
817040	Carrier, Black Vinyl
10034184	Military-Style Gas Mask Carrier for police/military/tactical users. Carrier can be worn on leg or belt. Both removable belt hanger and leg strap are fully adjustable. Includes removable shoulder strap.



### Lens Outsert

Polycarbonate lens outsert snaps into place over the Advantage 1000 facepiece lens, providing additional impact protection. Tinted outsert helps conceal identity (suitable only when sufficient light exists).



Part No.	Description
806463	Lens Outsert, small, clear
806462	Lens Outsert, medium/large, clear
806465	Lens Outsert, small, tinted
806464	Lens outsert, medium/large, tinted

**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.



ID 0517-03-MC / Oct 2005  
© MSA 2005 Printed in U.S.A.

**Corporate Headquarters**  
P.O. Box 426, Pittsburgh, PA 15230 USA  
Phone 412-967-3000  
[www.MSAPoliceLine.com](http://www.MSAPoliceLine.com)

**U.S. Customer Service Center**  
Phone 1-866-MSA-1001  
Fax 1-800-967-0398

**MSA Canada**  
Phone 1-800-MSA-2222  
Fax 905-238-4151

**MSA Mexico**  
Phone 52-55 21 22 5770  
Fax 52-55 5359 4330

**MSA International**  
Phone 412-967-3354  
Fax 412-967-3451

**Offices and representatives worldwide**  
For further information:



**MSA**