

# 1st Responders: Into the Face of Danger



## Donning Instructions for the MSA Millennium® CBRN Gas Mask



The MSA Millennium CBRN Gas Mask is designed to provide respiratory protection against Chemical, Biological, Radiological and Nuclear airborne agents.

The following is a partial list of precautions that must be followed, or serious personal injury or death can result:

- Know the contaminants in the environment you are about to enter. Check to ensure that the canister you are using is CBRN approved.
- If the respirator does not perform as specified in the instruction manual, it must not be used until it has been checked by authorized personnel.
- Wear impermeable protective clothing against gases and vapors that can poison by skin absorption.
- Return to fresh air immediately if you experience any unusual sensations like difficult breathing, dizziness or other distress, experience an unusual odor or taste, experience nose or throat irritation.

- Do not wear eyeglasses under the facepiece, as the temples will prevent an air tight seal and enable the inhalation of hazardous airborne agents. If you must wear corrective eyewear, install the spectacle kit listed on the NIOSH approval matrix.
- Do not use this respirator with beards, encroaching hair lines or large side burns that prevent direct contact between the skin and sealing surface of the facepiece. These conditions can cause face seal leakage, enabling inhalation of hazardous airborne agents.
- Do not use this respirator beyond eight (8) hours after the initial exposure to chemical warfare agents to avoid the possibility of agent permeation. If liquid exposure is encountered, the respirator must not be used for more than two (2) hours.

### Before donning the Millennium CBRN Gas Mask:

1. Remove the mask and canister from the clamshell case and remove the canister from the foil bag.
2. Make sure the canister approval matches the contaminants expected in the environment you are about to enter and the canister is not damaged.
3. Thread the canister into the facepiece port and hand-tighten.

### How to don the Millennium CBRN Gas Mask:



# 1



# 2



# 3



# 4



# 5



# 6

1. Loosen the head harness straps so that strap ends are approximately 1 inch from the buckles. Grasp the temple and neck straps in each hand. Slightly expand the harness, place chin into the facepiece, and pull the harness over the back of the head.
2. Hold the exhalation valve assembly in the palm of one hand and with the free hand adjust the facepiece securely to the face, making sure the chin and nose are seated securely. While holding the facepiece in position, tighten one temple strap at a time by pulling straight back (not outward) with small tugs until the mask feels snug on that side. Do the same on the other side until the mask feels secure everywhere.  
  
Center the facepiece by looking down at the nosecup to make sure it is uniform on both sides of the face. Adjust the temple straps accordingly. No hair should be under the tabs or sealing surface. The straps should not cut into the ears.
3. Evenly tighten the neck straps by pulling them straight back.
4. Check that the head pad is centered in the middle of the back of the head.
5. Tighten the top straps for best visibility and fit, if needed.
6. Perform a negative pressure seal test before entering a contaminated environment.
  - Block the canister inlet with the palm of your hand, then inhale gently and hold breath for 10 seconds.
  - If the seal is good, the facepiece will collapse and remain collapsed against your face. You may remove your hand and breathe normally.
  - If the facepiece did not collapse or if any leakage is noticed, readjust the straps and perform the test again. If a leak remains, the mask will not provide adequate protection and must not be used.

### How to remove the Millennium CBRN Gas Mask:



Do not use the Millennium CBRN Gas Mask for more than 8 hours after initial exposure to airborne agents or more than 2 hours after exposure to liquid agents.

Return to an uncontaminated area to remove the mask. Check that all protective equipment you are wearing is free of contaminants before removing the mask.

Insert your thumbs under each of the harness head strap end tabs and fully extend them. Grasp the facepiece by the speaking diaphragm and pull up and away from your face.

For more information on the Millennium CBRN Gas Mask, available accessories and other features of MSA's Homeland Security line of products, visit [www.MSAnet.com](http://www.MSAnet.com) or call 1-888-MSA-0018