

# Particulate Respirator 8516, N95 with Nuisance Level Acid Gas Relief\*

3M recommended for the aluminum industry (non-oil environments)

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The 3M™ Particulate Respirator 8516, N95 is designed for the aluminum industry. It provides comfortable, reliable worker protection against non-oil based aerosol particles including those present with nuisance levels of acid gases\* such as sulphur dioxide, hydrogen fluoride and/or chlorine.

An excellent choice for work settings that involve heat, humidity and long periods of wear.

The 8516 offers a number of benefits to you and your workers:

#### NIOSH approved N95

- At least 95% filtration efficiency against solid and liquid aerosols that do not contain oil.\*\* TC-84A-1299

#### 3M™ Cool Flow™ Exhalation Valve

- Proprietary one-way valve for easy exhalation and cool, dry comfort.

#### Odor removing filter material

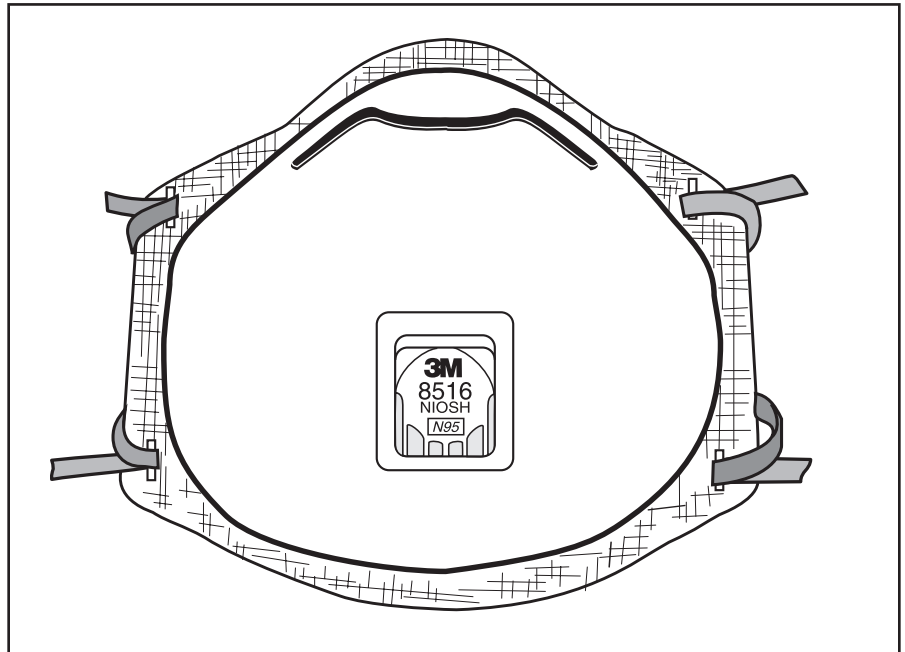
- Carbon layer provides relief from nuisance levels of acid gas and for greater comfort.

#### M-noseclip

- Adjusts easily for fewer pressure points and greater comfort.
- Reduces the potential for eyewear fogging.
- Helps provide a custom fit and secure seal.

#### Lightweight construction

- Promotes greater worker comfort.
- Contributes to increased wear time.



3M™ Particulate Respirator 8516, N95



#### All filter design

- Helps provide economical protection.
- No spare parts to clean and maintain.
- Promotes easier communication.

#### Braided headbands

- Provides comfort and durability.

#### Suggested Applications

- Glass etching
  - Chemical processing
  - Paper processing
  - Brewing operations
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- Aluminum smelting
  - Pot room environments (non-oil applications)
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**⚠ WARNING**

These respirators help reduce exposure to certain particles. **Misuse may result in sickness or death.** Before use, the wearer must read and understand **User Instructions** provided as a part of product packaging. Time use limitations may apply. For proper use, see package instructions, supervisor or call 3M OH&ESD Technical Service in U.S.A., 1-800-243-4630. In Canada, call 1-800-267-4414.

\*3M recommended for relief against nuisance levels of acid gas. Nuisance level acid gas refers to concentrations not exceeding OSHA PEL or applicable exposure limits, whichever is lower.

\*\*Tested against particles approximately 0.3 micron in size (mass median aerodynamic diameter) per 42 CFR 84.

Respirators Per Box	Respirators Per Case
10	80

**Use For:**

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Nuisance level acid gases such as Sulfur Dioxide, Hydrogen Fluoride and/or Chlorine.

**Do Not Use For:**


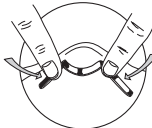
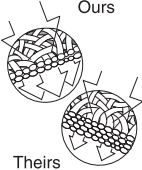

Vapors, including those present in paint spray operations, oil aerosols, asbestos, arsenic, cadmium, lead, 4,4'-methylenedianiline (MDA) or sandblasting. Concentrations of acid gases that exceed the OSHA PEL or applicable exposure limits, whichever is lower. Aerosol concentrations that exceed 10 times the OSHA PEL, or applicable exposure limits whichever is lower. This respirator does not supply oxygen.

**Important**

Before using these respirators, you must determine the following:

1. The type of contaminant(s) for which the respirator is being selected.
2. The concentration level of contaminant(s).

**Technologies**

			
<b>3M™ Cool Flow™ Exhalation Valve</b> Proprietary one-way valve for easy exhalation and cool, dry comfort.	<b>M-noseclip</b> Adjusts easily for fewer pressure points and greater comfort.	<b>Advanced Electret Media</b> Advanced electrostatically charged microfibers make breathing easier and cooler.	<b>Odor-removing Filter Material</b> Carbon layers remove many nuisance level odors for greater comfort and productivity.

3. Whether the respirator can be properly fitted on the wearer's face. Do not use with beards, on other facial hair, or other conditions that prevent a good seal between the face and the faceseal of the respirator.
4. Before use of these respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA 29 CFR 1910.134, including training, medical evaluation and fit testing.

**Time Use Limitation**

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area immediately and dispose of the respirator.

**Additional Information**

This respirator contains no components made from natural rubber latex.

**For more information, please contact:**

**3M Occupational Health and Environmental Safety Division (OH&ESD)**

**In the U.S., contact:**

**Sales Assistance**  
1-800-896-4223  
**Technical Assistance**  
1-800-243-4630  
**Fax On Demand**  
1-800-646-1655  
**Internet**  
<http://www.3M.com/occsafety>  
**For other 3M products**  
1-800-3M HELPS

**In Canada, contact:**

3M Canada Company, OH&ESD  
P.O. Box 5757  
London, Ontario N6A 4T1  
**Sales Assistance**  
1-800-265-1840, ext. 6137  
**Technical Assistance (Canada only)**  
1-800-267-4414  
**Fax On Demand**  
1-800-646-1655  
**Internet**  
<http://www.3M.com/CA/occsafety>

**Technical Assistance In Mexico**  
01-800-712-0646  
5270-2255, 5270-2119 (Mexico City only)  
**Technical Assistance In Brazil**  
0800-132333  
**Fax On Demand O.U.S. Locations**  
1-651-732-6530