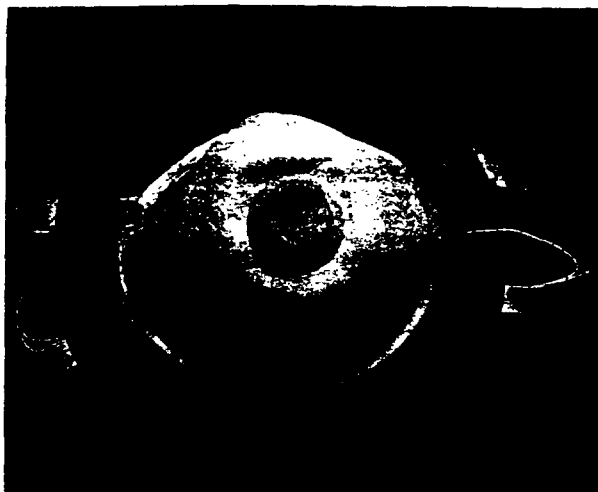




Important Facts on the 3M Brand #9920 Dust, Fume and Mist Respirator (TC-21C-202)

What is the 9920?

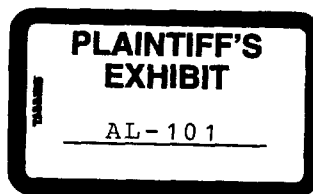
The 3M Brand #9920 Dust, Fume, and Mist respirator is a NIOSH/MSHA approved half-mask respirator made from non-woven fibers designed for worker comfort and protection.

What NIOSH/MSHA approvals did the #9920 receive?

The #9920 Dust, Fume and Mist Respirator was approved under Subpart K of 30 CFR 11 (TC-21C-202, November 20, 1978) for respiratory protection against:

- a) Dusts, including but not limited to aluminum, flour, iron ore, free silica, coal, cadmium, chromium, lead and manganese.
- b) Fumes of various metals including but not limited to aluminum, antimony, cadmium, chromium, copper, iron, lead, magnesium, manganese and zincs.
- c) Mists produced by spray coating with vitreous enamels, chromic acid mist produced during chromium plating, and other mists of materials whose liquid vehicle does not produce harmful gases or vapors.
- d) Radon daughters and radon daughters attached to dusts, fumes and mists.
- e) Asbestos containing dusts and mists.

ARD 004275



Is the 9920 classified as a HEPA filter?

No. HEPA refers to a high efficiency particulate filter. The HEPA filter must be at least 99.97% against 0.3 μm DOP particulates. The #9920 was tested against 0.4 to 0.6 μm silica particulates and against lead oxide fume particulates. In these tests, the 9920 is at least 99.9 + % efficient.

Does the 9920 offer protection against gases and vapors?

No. The 9920 offers protection against particulate materials only. Do not use the 9920 for protection against gases or vapors associated with spray paint.

How long can the 9920 be used?

The 9920 is designed for use during a normal work period. It can be used for longer periods provided that:

- a) breathing is not difficult, and
- b) the respirator is not physically damaged.

Can the 9920 be used for protection against welding fumes?

Yes. The 9920 is approved for respiratory protection against metal fumes generated in welding operations for fumes of metals with a threshold limit value — time weighted average (TLV-TWA) concentration greater than 0.05 mg/m^3 . The American Conference of Governmental Industrial Hygienists recommends a TLV-TWA for welding fumes of 5 mg/m^3 if no toxic elements are present in the welding rod.

In welding operations, will the 9920 protect against the nitrogen oxides, carbon monoxide and ozone that may be generated?

No. The 9920 offers no protection against gases and vapors. However, these gases are not normally at concentrations that would require respiratory protection.

Is there an OSHA standard or NIOSH recommendation on welding?

No. Each contaminate is considered separately. The following is a table of metal fumes and gases that may be associated with welding operations.



NIOSH/MSHA
Approved
TC-21C-202

3M Brand Dust/Fume/Mist Respirator 9920

In 1972 3M introduced the 1st NIOSH/MSHA approved single use respirator designed for worker comfort - the #8710 Dust Respirator. Today the #8710 is the accepted standard in single use respiratory protection. Since that first innovation, 3M's technology has advanced to now offer the first dust/fume/mist respirator approved by NIOSH/MSHA in the same basic comfortable design as the #8710. An inexpensive, lightweight, comfortable respirator, and above all else, dependable protection. The #9920...a step ahead of its time

• ECONOMY

Virtually eliminates the cost of a respiratory maintenance program. 3M's #9920 Respirator is designed to be low-cost, disposable and conform to government regulation. Yet, there are no filters to clean, no inventory to maintain. A substantial cost savings.

• COMFORT

The #9920, due to its non-woven fiber construction is one of the lightest respirators available to industry. The valved design increases worker acceptance and still maintains dependable protection. Users hardly know it's on while they work. It's a respirator workers will wear!

Respirators per bag	Respirators per case
10	100

**ECONOMICAL, DEPENDABLE
APPROVED PROTECTION AGAINST
DUST/FUME/MIST**

• FLAME RETARDANT

Flame retardant agents are added to decrease flammability and help eliminate burn worries.

• EXCELLENT FACE FIT

The specially designed #9920 is constructed to mold effectively along the contours of the worker's face, thus providing an excellent fit on the majority of workers. One size eliminates confusing sizing requirements.

• CLEAR COMMUNICATIONS

Respirator allows wearers to communicate normally. Eliminates the need to remove the respirator to communicate while working in hazardous areas.

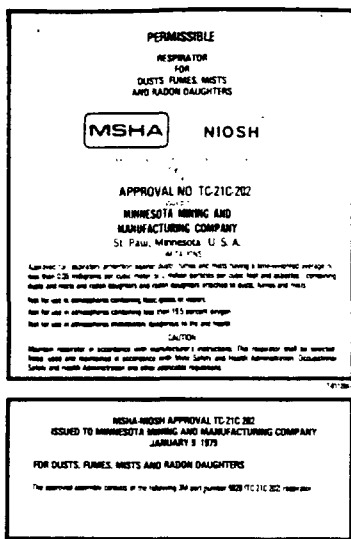


• APPROVED PROTECTION

The #9920 is approved by NIOSH/MSHA

for toxic
- dusts
- mists
- fumes
- asbestos
- radon daughters

ARD 004277



NIOSH/MSHA Approved

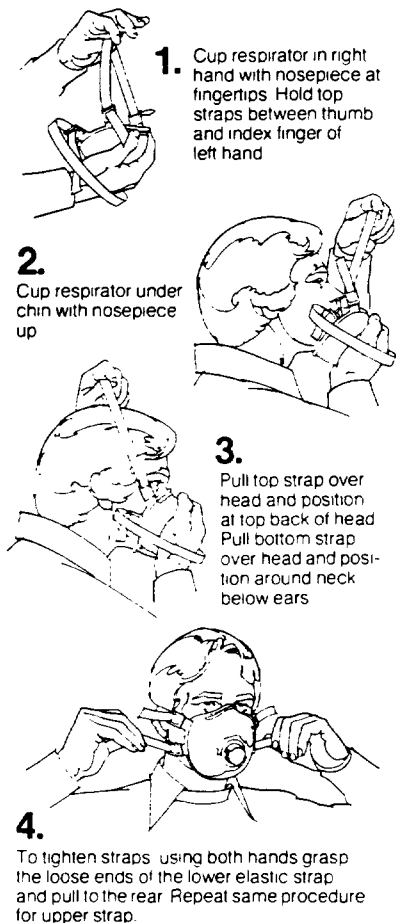
The #9920 Dust/Fume/Mist Respirator exceeds NIOSH/MSHA testing requirements assuring OSHA compliance against the following contaminants:

- I. Dusts having an air contamination level not less than 0.05 milligram per cubic meter of air, including but not limited to coal, cadmium, chromium, lead, and manganese, or dusts having an air contamination level not less than 2 million particles per cubic foot of air, including but not limited to aluminum, flour, iron ore, and free silica, resulting principally from the disintegration of a solid, e.g., dust clouds produced in mining, quarrying, and tunneling, and in dust produced during industrial operations, such as grinding, crushing, and the general processing of minerals and other materials.
- II. Fumes of metals having an air contamination level not less than 0.05 milligram per cubic meter, including but not limited to aluminum, antimony, cadmium, chromium, copper, iron, lead, magnesium, manganese, and zinc, which might result from the sublimation or condensation of their respective vapors and gases. **Note:** Includes metal fumes associated with welding and brazing operations.
- III. Mists of materials having an air contamination level not less than 0.05 milligram per cubic meter or 2 million particles per cubic foot, e.g., mist produced by spray coating with vitreous enamels, chromic acid mist produced during chromium plating, and other mists of materials whose liquid vehicle does not produce harmful gases or vapors.
- IV. Asbestos containing dust and mists.
- V. Radon daughters attached to dusts, fumes and mists.

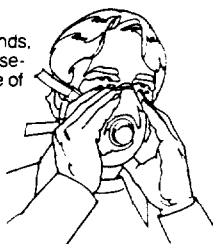
This respirator is not designed for use against highly toxic dusts or gases and/or vapors.

If you have doubts about the applicability of the 3M Brand #9920 Dust/Fume/Mist Respirator to your job situation, it is recommended that you consult an industrial hygienist or call 3M Company, Occupational Health and Safety Products Division, Technical Service, (612) 733-6234. In Canada contact 3M Canada Ltd., P.O. Box 5757, Terminal A, London, Ontario, Canada N6A4T1 (519) 451-2500.

#9920 Respirator fitting instructions



5. Using both hands, mold metal nose-piece to shape of nose.



6. To check fit, cup both hands over respirator and inhale sharply. If air flows around nose, tighten nose-piece. If air leaks at respirator edges, adjust straps.

7. To loosen straps without removing respirator, grasp buckle with left hand. Push out on clip of buckle. Pull strap through buckle with right hand.



Important Notice To Purchaser

THE FOLLOWING WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PURPOSE. 3M OH&SP products sold will meet the physical standards and properties set forth in the applicable product specification data sheets issued by 3M. 3M's only obligation under this warranty shall be to replace such quantity of 3M OH&SP products proved to be defectively manufactured by failing to meet the aforementioned specification data sheets, and to be responsible for any third party personal injuries directly caused by said defects. Except as provided above, 3M shall not be liable or responsible for any loss, damage, or liability, direct, indirect, incidental, special or consequential, arising out of the sale, use or misuse of, or the inability to use products by the user.

ANOTHER STEP TOWARDS BETTER OCCUPATIONAL HEALTH AND SAFETY

ARD 004278

Occupational Health and Safety Products Division/3M

220-7W 3M Center
St. Paul, MN 55101

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