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April 23, 1979  
Respirator Coordinators  
DISPOSABLE RESPIRATORS

- Starch
- Titanium Dioxide
- Aluminum Oxide

The 3M No. 8710 is not approved for toxic materials, carcinogens or irritants.

For most dry particulates which do not fall in the approval for the No. 8710, the 3M No. 9900 can be used. The No. 9900 has approval for toxic dusts which have exposure limits of not less than 0.05 mg/m<sup>3</sup>.

In general, dusts which have not been judged to have the sole effect of causing pneumoconiosis are the prime challenges of the 3M No. 9900. Of course, the No. 9900 can be used for all applications of the No. 8710 as well.

If protection from mists is required, the 3M No. 9910 is the approved disposable respirator.

Neither the No. 8710, No. 9900 nor No. 9910 is approved for gases, vapors or fumes. This means, mists with significant vapor pressures (other than water) are not applicable. Examples of approved mists other than aqueous solutions are glycerine and polyglycols.

I am continuing to review the usage of disposable respirators as well as the developing data on their applicability and will keep you up to date on these.

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