

**criteria for a recommended standard....**

**OCCUPATIONAL EXPOSURE  
TO  
FIBROUS GLASS**



**U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE**  
Public Health Service  
Center for Disease Control  
National Institute for Occupational Safety and Health

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## PREFACE

The Occupational Safety and Health Act of 1970 emphasizes the need for standards to protect the health of workers exposed to an ever-increasing number of potential hazards at their workplace. The National Institute for Occupational Safety and Health (NIOSH) has projected a formal system of research, with priorities determined on the basis of specified indices, to provide relevant data from which valid criteria and effective standards can be derived. Recommended standards for occupational exposure, which are the result of this work, are based on the health effects of exposure. The Secretary of Labor will weigh these recommendations along with other considerations such as feasibility and means of implementation in developing regulatory standards.

It is intended to present successive reports as research and epidemiologic studies are completed and sampling and analytical methods are developed. Criteria and standards will be reviewed periodically to ensure continuing protection of the worker.

I am pleased to acknowledge the contributions to this report on fibrous glass by members of the NIOSH staff and the valuable constructive comments by the Review Consultants on fibrous glass, the ad hoc committees of the Society for Occupational and Environmental Health, American Industrial Hygiene Association, American Academy of Industrial Hygiene, and the American Academy of Occupational Medicine and by Robert B. O'Connor, M.D., NIOSH consultant in occupational medicine. The NIOSH recommendations for standards are not necessarily a consensus of all the consultants and

professional societies that reviewed this criteria document on fibrous glass. The Review Consultants are listed on pages vi-ix.



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The Division of Criteria Documentation and Standards Development, National Institute for Occupational Safety and Health, had primary responsibility for development of the criteria and the recommended standard for fibrous glass. The division review staff for this document consisted of Douglas L. Smith, Ph.D. (chairman); J. Henry Wills, Ph.D; and Paul E. Caplan with Anna M. Baetjer, Sc.D. (consultant); Loren L. Hatch, D.O., Ph.D. (Division of Technical Services); and David L. Bayliss (Division of Surveillance, Hazard Evaluations and Field Studies).

Tabershaw-Cooper Associates, Inc., developed the basic information under contract No. HSM-99-72-130 for consideration by NIOSH staff and consultants. Frank W. Mackison was criteria manager and had NIOSH program responsibility for development of the first phase of the document. Paul A. Schulte served as criteria manager for the final phase.

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CRITERIA DOCUMENT: RECOMMENDATIONS FOR AN  
OCCUPATIONAL EXPOSURE STANDARD FOR FIBROUS GLASS

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