A Synthetic Vitreous Fiber (SVF) Occupational Exposure Database: Implementing the SVF Health and Safety Partnership Program

Terms:
Mechanical Insulation
Gary E. Marchant, et al.

The Health and Safety Partnership Program is a voluntary workplace safety program for workers involved in the manufacture, fabrication, installation, and removal of glass wool and mineral wool products. This article describes one element of this Partnership Program, the development of an occupational exposure database that characterizes exposures by fiber type, industry sector, product type, and job description. Approximately 6000 exposure samples are included in the database, most of which were collected over the past decade, making it the most extensive and recent exposure data set on record for glass wool and mineral wool. The development of this database, as well as the initial results for exposure measurements segmented by product type and/or job description, are described. The current database shows that most applications and uses of glass wool and mineral wool involve exposures below the voluntary 1 f/cc permissible exposure limit, although some specific product types and job descriptions involve average exposures approaching the 1 f/cc limit. Click here to read more!