Introduction

Smaller fibers and non-fibrous particles may be generated as fibrous materials such as SVFs are processed, disposed of, or damaged. Therefore, this report will provide Asian countries with important information for health protection of workers exposed to SVFs.

The report includes reviews for various articles about physiological deposition pattern, clearance/biopersistence and health effects of synthetic vitreous fibers (SVFs).

Abstract

Background: The Agency for Toxic Substances and Disease Registry (ATSDR) hold a panel discussion to review and discuss health effects associated with asbestos and synthetic (man-made) vitreous fibers (SVFs), especially those of less than 5 microns in length. ATSDR has invited a cross-section of scientific experts in the fields of toxicology, epidemiology, pulmonology/pathology, and medicine.

Objective: Significant toxicology and occupational health research has focused on asbestos fibers and SVF greater than five microns in length, however, it seems that much less is known about the potential health effects of smaller fibers. ATSDR has identified a need to understand the potential for fibers less than 5 microns in length to contribute to adverse health effects.
Factsheet on Asbestos and Asbestos-Related Diseases

Annotation

Fact 1
- Annotation is not provided for this factsheet.

Fact 2

Fact 3

Fact 4

Fact 5

References