

US EPA ARCHIVE DOCUMENT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY


SUBJECT: Registration of Dow Corning Q9 5700 for treatment of socks. Registration No.: 34292-1 (amendment) DATE: June 2, 1976

FROM: Toxicology Branch

TO: PM (mr. Tavano)

Recommendation: CB memo of May 27, 1976 states that a conclusion about the potential exposure of man from the proposed use can not be reached., without further data on leaching of the material. Under some simulated "washing" conditions cellulose acetate retained most of the pesticidal material whereas polyester leached about 50% of the chemical. Leaching therefore must be considered as a likely possibility.

The data submitted so far indicate that an acute hazard from treated fabric does not exist, however, we no way to judge the potential for the more subtle toxic effects. We therefore suggest that the registrant resolve the question related to the leaching as indicated in the CB memo. Or alternatively if the human exposure can not be excluded we request studies on the teratogenic potential of the active ingredients, and an evaluation of their mutagenic potential. If the chemicals are neither teratogenic nor mutagenic we could conclude that a hazard from repeated exposure does not exist.


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