

FILE NAME: Asbestos in Hair Dryers (HD)

DATE: 1979

DOC#: HD010

DOCUMENT DESCRIPTION: NIOSH Report Abstract - Testing of Hair Dryers for Asbestos Emissions

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Testing of Hair Dryers for Asbestos Emissions

NIOSH 1979 Sep:59 pages

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Josh H.
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Tests were conducted on 30 hair dryers for the release of asbestos (1332214) filter effluent air to evaluate potential consumer exposure, for the Consumer Product Commission. A hair dryer test system was developed, consisting of a clean air sampling duct assembly, several types of monitoring equipment and filter sample. Generated samples were assessed by transmission electron microscopy capable of performing energy dispersive analysis of x-rays and selected area electron diffraction. 30 dryers evaluated, 23 were home use hand held appliances, three were table top models, one was a hobby heat gun, and one was a heavy duty commercial saloon. The airborne asbestos concentrations generated by these dryers ranged from 0 to 7652 nanograms/cubic meter and the mass concentrations ranged from 0 to 7652 nanograms/cubic meter. No significant differences were noted whether the dryer operated at high heat or at cycled heat.

NIOSH-Author; NIOSH-Contract; Contract-IA-79-29; Asbestos-dust; Airborne-fibrous-dusts; Asbestos-products; Sampling-methods; Hairdressers; 1332-21-4;

19790901

Contract;

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Contract-IA-79-29

DPSE;

Division of Physical Sciences and Engineering, NIOSH, U.S. Department of Health, Education, and Welfare, Cincinnati, Ohio, 59 pages, Interagency Agreement IA-79-29; references OH;