FILE NAME: Asbestos in Hair Dryers (HD)

DATE: 1974 Mar 21

DOC#: HD051

DOCUMENT DESCRIPTION: Gillette Medical Eval Lab Memo with Information RE Safety-Related Studies Conducted Upon Hand-Held Hair Dryers

Gillette Medical Evaluation Laboratories — Inter-Office Memo

Date: March 21, 1974

From: F. Marozzi

To: J. Lajoie

Copies to: R. Giovacchini
L. Hardy
H. Ciuchta

Subject: Request for Information Concerning Safety-Related Studies Conducted Upon Hand-Held Hair Dryers

In response to your request I have outlined below results of studies conducted in the Personal Care Division's beauty clinic on our various hand-held hair dryers which are either currently being marketed or were recently marketed. Generally speaking, GMEL has based its medical approval upon the results of these studies as well as personal inspection of prototype and production units. Additionally, our approval has always been conditional upon the Appliance Division assuring that electrical/mechanical integrity of the units is established and maintained in accordance with acceptable standards (normally UL).

Below I have enumerated the various hair dryers on which we have data in our files. Please note that marketed models may differ only in color or type and number of attachments. GMEL feels, therefore, that Beauty Clinic results obtained on one model may be applicable to a similar model if such models differ only in these attributes.

Model THD-2A	Equivalent to THD-2 except for a change in brush attachment.
Model THD-2	(500 watt unit). Equivalent to HD-5 with differences in attachments only.
Model HD-3	(500 watt unit - Max For Men). Same as HD-5 except for color and number of attachments. Has two (2) attachments.
Model HD-4	Differs from HD-5 in color and comb attachment.
Model HD-5	(500 watts - Super Max). Has five (5) attachments.
Model HD-7	(650 watts - Super Max)
Model HD-9	(650 watts - Max For Men). Equivalent to HD-7 except for color and attachments.
Model HD-10	(850 watts - Mighty Max)

G 00472

CONFIDENTIAL

Two additional dryers are not on the market but have been tested in the beauty clinic. These are Gentle Max (Model HD-7 with reduced heat flow) and Pro Max (a 1000 Watt professional-type hand held dryer).

Subjects taking part in beauty clinic studies involving hair dryers first have their scalps examined for evidence of disease etc. The hair of acceptable subjects is shampooed by trained operators after which it is dried and/or styled with the test hair dryer. Comments are solicited from the model (subject) at the end of the procedure. (see attached sample report sheet). The operator may also comment on this report sheet.

Beauty Clinic results for the various hair dryers are summarized below:

Model THD-2A	See Model THD-2
Model THD-2	Tested on six subjects. No adverse comments
Model HD-3	See Model HD-5
Model HD-4	See Model HD-5
Model HD-5	Tested on six subjects. No adverse comments.
Model HD-7	Tested on 8 subjects with no adverse comments. Two adverse comments when tested on a group of 25 subjects. One subject commented that it was too hot; another that it was too hot around the face area but not too hot when used on the scalp. See also Model HD-9.
Model HD-9	Tested on 10 subjects. No adverse comments. See also Model HD-7.
Model HD-10	Tested on 25 subjects. One adverse comment by an operator. The operator commented that the part of the dryer that holds the brush attachment got too hot and that she had to change from dry to style and that her index finger got red from the heat. She also found the unit too noisy and indicated that the hair got too hot for her to handle.

Gentle Max has been tested on 6 subjects with no adverse comments while Pro Max has been tested on a total of 9 subjects with no adverse comments. Neither of these units, as mentioned, is nationally distributed.

Please contact me if I can be of further assistance to you in this matter.

Regards,

Fred Marozzi

Fred Marozzi, Ph.D.

/dmj
Attachment