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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

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OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: Chlorpropham - Possible 6(a)(2) Data, submitted under MRID #s 41846701 and 48145501

Chemical No.: 510A
RD Record: S-395344
Project No.: 1-1169

FROM: Irving Mauer, Ph.D., Geneticist
Toxicology Branch I
Health Effects Division (H7509C)

09-05-91

TO: Lois Rossi/Karen Farmer, PM 74
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THRU: Karl P. Baetcke, Ph.D., Chief
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9/5/91

Registrant: Chlorpropham Task Force, Liberty, MO

Request: Expeditiously review and evaluate the following two (2) mutagenicity studies, both performed at Hazleton Labs. America (HLA), Kensington, MD, and submitted as possible adverse [6(a)(2)] data:

(1) Mutagenicity Test on Chlorpropham in an In Vitro Cytogenetic Assay Measuring Chromosomal Aberration Frequencies in Chinese Hamster Ovary (CHO) Cells, (HLA) Study No. 12276-0-437, Final Report dated April 3, 1991 (MRID No. 41846701).

(2) In vitro Transformation Assay of Chlorpropham Using Syrian Hamster Cells, (HLA) Study No. 12276-0-485R, Final Report dated March 29, 1991 (MRID No. 41845501).

Toxicology Branch Conclusions: These studies have been assessed as follows (Detailed Reviews are attached):

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Study (MRID)	Reported Results	TB Evaluation
(1) Chromosome aberrations in vitro (41846701)	Presumptively positive under activation conditions at moderately toxic doses (120, 140 ug/ml); reported negative without activation, but inadequately performed	UNACCEPTABLE
(2) Transformation in vitro (41845501)	Positive for dose-related inducing stable morphological transformation in Syrian golden hamster embryo (SHE) cells exposed by two different treatment regimens.	ACCEPTABLE

Attachments (DERs)