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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)

*Irving Mauer*  
29-05-91

TO: Lois Rossi/Karen Farmer, PM 74  
Reregistration Branch  
Special Review and Reregistration Division (H7508W)

THRU: Karl P. Baetcke, Ph.D., Chief  
Toxicology Branch I  
Health Effects Division (H7509C)

*Karl P. Baetcke*  
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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<u>Study (MRID)</u>	<u>Reported Results</u>	<u>TB Evaluation</u>
(1) Chromosome aberrations <u>in vitro</u> (41846701)	Presumptively positive under activation conditions at moderately toxic doses (120, 140 <u>ug/ml</u> ); reported negative without activation, but inadequately performed	UNACCEPTABLE
(2) Transformation <u>in vitro</u> (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)

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