



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

586
CASWELL FILE

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OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: NALED---Toxicology Studies Submitted Under MRID's
00085409 and 000885410, to Satisfy Metabolism
Requirement
ID #034401

Chemical: 034401 (586)
RD Record: S-433871
HED Project: D187057

FROM: Irving Mauer, Ph.D., Geneticist
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Irving Mauer
08.27-93

TO: Larry Schnaubelt/Brigid Lowry, PM #72
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THRU: Karl P. Baetcke, Ph.D., Chief
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Health Effects Division (H7509C)

Karl P. Baetcke
8/27/93

Registrant: Chevron Chemical, Richmond, CA

Review: Review and evaluate the following studies, both
performed at Chevron's Agricultural Chemicals Division, and
submitted to satisfy the data requirement for GDLN 85-1---Rat
Metabolism:

- (1) Metabolism of [Ethyl-1-¹⁴C]-NALED in Rats:
Characterization and Quantification, of ¹⁴C in
Tissues, unpublished study by H. M. Cheng and Y. S.
Chen, Agricultural Chemicals Division (Chevron), File
721.14, dated June 9, 1981.
- (2) Metabolism of [Ethyl-1-¹⁴C]-NALED in Rats: ¹⁴C
Excretion Pattern, unpublished study by H. M. Cheng,
Agricultural Chemicals Division (Chevron), File
721.14/NALED, dated May 29, 1981.

TB CONCLUSION: Preliminary screening of these older studies (by
Doctors P. Chin and I. Mauer) reveal that neither, singly or in
combination, meets the data requirements for GDLN 85-1, since:

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- (1) Only single animals were employed for each stage of the assay.
- (2) Not all tissues mandated by FIFRA requirements were sampled.
- (3) Neither high-dose or multiple dose segments were performed.
- (4) Sampling was for too brief a period post-dose.

Hence, these studies (collectively) are judged UNACCEPTABLE.