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

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NOV 8 1985

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM:

SUBJECT: EPA Reg. No. 8340-13; Endosulfan (Thiodan)[®]: Dermal
Sensitization
Accession No. 258892
Caswell No. 420

TO: George LaRocca
Product Manager (15)
Registration Division (TS-767)

THRU: *[Signature]* 11/5/85
Robert Zendzian, Ph.D.
Acting Head, Review Section IV
Toxicology Branch
Hazard Evaluation Division (TS-769)

FROM: George Z. Ghali, Ph.D. *G. Ghali*
Toxicology Branch 11/4/85
Hazard Evaluation Division (TS-769)

[Handwritten notes]
11/7/85

Registratant:

American Hoechst Corporation
Somerville, New Jersey 08876

Action Requested:

Evaluation of a dermal sensitizations study with 2, 4-dinitrochlorobenzene as a positive control.

Conclusion:

The positive control is acceptable and support the registrant conclusion that Endosulfan did not result in skin sensitization under the test conditions. The study classification can be elevated to core-minimum data.

Background:

Recently, Tox Branch evaluated a dermal sensitization study (Accession Nos. 252182 & 252043) in female Pirbright white guinea pigs with technical endosulfan (G. Ghali; memo dated Nov. 6, 1984, attached).

Toxicology Branch concluded that "under the test conditions, endosulfan did not seem to induce skin sensitization in the test animals". However, since no concurrent or periodical positive control was included to validate the sensitivity of the test, the study was considered to be of supplementary nature.

American Hoechst Corporation has just submitted a positive control sensitization study (Accession No. 258892) conducted on the same strain of animals with 2,4 dinitrochlorobenzene for review. Toxicology Branch evaluated the submitted data and made the necessary adjustment with respect to the study classification. See the conclusion on the front page of this report.