

US EPA ARCHIVE DOCUMENT



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

NOV 10 1981

MEMORANDUM

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

DATE: November 2, 1981

SUBJECT: Diazinon and its possible teratogenicity - A summarized literature review. CASWELL#342 Acc.#243329

FROM: William Dykstra, Toxicologist
Toxicology Branch/HED (TS-769)

WJD JAC 11/2/81

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

WLB

Recommendations:

1. The Ciba-Geigy review of unpublished and published literature on the possible teratogenicity of Diazinon indicates that both positive and negative findings have been reported. The literature review document claims that the rat teratology is the most valid teratology study. However as presented below the rat teratology is supplementary. A discussion of the findings by Ciba-Geigy is presented in their review together with the references and indicates that most teratology studies with Diazinon were lacking in various ways. However, in reference to our previous request for raw data relative to the rat teratology study (No. 22741301) Ciba-Geigy supplied transcribed and tabulated data on July 2, 1980 and not raw data for the study. In their letter of September 23, 1980, Ciba-Geigy indicated that this was the "only available information." Since no individual raw data, i.e., skeletal, was made available to the Agency, the study is regarded as Supplementary and needs to be repeated.