



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

SEP - 2 1988

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

Subject: Dimethoate: 0,0, dimethyl S[N-(methylcarbamoyl) methyl] phosphorodithioate. EPA ID # 241-75

To: William H. Miller, PM # 16
Insecticide/Rodenticide Branch
Registration Division (TS-767C). Cas. No. 358

From: Joycelyn E. Stewart, Ph.D. *JS 8/26/88*
Section VII
Toxicology Branch/HED (TS-769C).

Thru: Albin B. Kocialski, Ph.D. *ABK 8/30/88*
Supervisory Pharmacologist
Toxicology Branch/HED (TS-769C).

Registrant: American Cyanamid Company
Agricultural Research Division
Princeton, N.J. 08540

Action Requested:

Address company review of pathology slides of vascular lesions reported in the rat chronic/oncogenicity study.

Response

American Cyanamid has submitted a re-evaluation of pathology slides of vascular lesions reported in the rat chronic/oncogenicity study in Wistar rats submitted under Accession Number 265610 in response to the Data Call-In for the Dimethoate Registration Standard. This study demonstrated an increased incidence of hemangiomas and hemangiosarcomas in male rats administered 5, 25, and 100 ppm of dimethoate.

The subject pathology slides are being evaluated by Toxicology Branch's consulting pathologist, Dr. Lynnard Slaughter. As soon as the evaluation has been completed, the results will be incorporated into the "Weight of the Evidence" document which has been prepared for presentation to the Toxicology Branch Peer Review Committee evaluating the oncogenic potential of Dimethoate.