

US EPA ARCHIVE DOCUMENT

MEMORANDUM NOTE DE SERVICE

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TO: Dr. C.T. Miller, Coordinator, Task Force for Reassessment of Chemical Safety

FROM: Dr. H.M. Cunningham, Toxicologist

SECURITY - CLASSIFICATION - DE SECURITE: 002536
OUR FILE - N. REFERENCE
YOUR FILE - V. REFERENCE
DATE: May 4, 1981

SUBJECT: Audit and Validation of "90-day Subacute Oral Toxicity Study with CGA 15324 Technical in Beagle Dogs". (Revision of report of May 16, 1979 to Mr. D.J. Clegg)

NAME OF LABORATORY: Industrial Biotest
Report No.: 611-05122-B
Report Date: March 17, 1975

COMMON NAME OF COMPOUND: Profenofos
OTHER NAMES: CGA 15324, Selecron

PETITIONER: Ciba Geigy

TYPE OF STUDY: 90-day oral

SPECIES: Beagle dog

FILE UNDER: Profenofos

RECOMMENDATION: Valid

OVERALL COMMENTS: The validation of this report indicates that it is supported by the raw data in showing that plasma cholinesterase activity was depressed at all three dietary levels, erythrocyte cholinesterase depressed at 20 and 200 ppm and brain cholinesterase depressed in 2 males and 2 females fed 200 ppm. After 4-week recovery period erythrocyte cholinesterase in 2 dogs remained depressed but brain and plasma activity were normal. The raw data did not agree with the final report in that the SGPT in males at 90 days in T-III was significantly higher (P<0.01) than controls. There was a great deal of inaccurate data in this report but though most of it only tended to improve the appearance, it did detract from the scientific acceptability. Considering this, it was felt that the remainder of the report was supported by the raw data.

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