Monsanto

FROM (NAME & LOCATION) P. L. Wright - A2SC

DATE December 10, 1974

SUBJECT Monochlorobiphenyl - 90-day feeding study in albino rats (CP 371)

REFERENCE BTL-73-72, IBT No. 622-04829

cc J. S. Metcalf - B2NC
W. B. Papageorge - B2SK
W. R. Richard - T3A

TO

J. F. Herber *
T3G

Accompanying this memo is the report describing the results obtained in the 90-day subacute oral toxicity study with monochlorobiphenyl (CP 371).

Groups of 15 male and 15 female albino rats were fed diets containing zero, 30, 100 and 300 ppm for 90 days. There were no significant differences in average weight gains, final body weight or food consumption between the test and control groups. Hematologic studies, including erythrocyte count, hemoglobin concentration, hematocrit value as well as total and differential leukocyte counts, and clinical chemistry evaluations, including blood glucose, blood urea nitrogen, serum alkaline phosphatase and serum glutamic-pyruvic transaminase, did not reveal any significant differences between those rats fed 300 ppm and the control rats. After 90 days on test there were no treatment induced changes in urine glucose, albumin, microparticulates or specific gravity.

The following organs were weighed at the time of autopsy: brain, gonads, heart, kidneys, liver and spleen. There were no changes in absolute organ weight, organ to body weight ratio or organ to brain weight ratio that could be attributed to treatment.

No deaths occurred during the study that could be attributed to treatment. There were no relevant gross autopsy or histopathologic findings among the animals sacrificed at the end of the 90-day study.

The no-effect level is considered to be 300 ppm.

Paul

Paul L. Wright

/bkp

*rec. report