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Teratologic Investigation of Phaltan (Folpet) in M. mulatta and M. arctoides (Rhesus and Stumptailed monkey) (BioTest Labs. 1979)

EX

PESTICIDE PETITION NO. 9E0756

Chevron Chemical Company
Richmond, California 94804
(AF 34-536)

TO: Division of Regulations and Pesticide Control (TS-769)

Upon the recommendation of the FDA Pesticide Residue Committee on Captan and Folpet, the Chevron Chemical Company investigated the teratogenic potential of folpet in two species of monkeys.

Scheme of Experiment:

Species	No. subjects	Compound	Dose mg/kg	Gest. days (incl)
Rhesus	6	folpet	10	21 - 36
Stumptailed	4	"	10	"
Rhesus	6	"	25	"
Stumptailed	5	"	25	"
Rhesus	6	"	75	"
Stumptailed	5	"	75	"
Rhesus	11	Thalidomide	10	25 - 27
Stumptailed	3	"	5	26-24, 24-30
Stumptailed	6	"	10	25-27, 24-33, 25-2[illegible]

Observations for effects included pregnancy examinations and examination of surgically removed 34 day old fetuses for external and internal effects. Fetus organs weighed included brain, lung, liver, kidneys, heart, spleen. Placenta was also weighed. After necropsy, each carcass was dehydrated, cleared and stained with alcian red for skeletal examination.

Results: Folpet was without effect upon fetal development as judged by the observations. Thalidomide was judged to be responsible for 6 abortions and 5 malformed fetuses in the stumptailed monkeys and 6 malformed fetuses and three abortions in the rhesus monkeys.

CONCLUSION:

This study has demonstrated that folpet is not teratogenic in the two tested monkey species.

Small pregnant - 1 abortion in a rhesus monkey in the 10 mg/kg group at [illegible] days.

Dr. C. E. Whitmore/TS/PRB (TS-16)

INITIAL/CONCURRENCE

[illegible] (TS-16) (TS-16) TS-210 TS-210 (TS-16) TP No. 9E0756

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1 of 1