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DATA EVALUATION REPORT

Study Type: Acute Toxicity; Oral

Species: Dog; beagle, purebred

Guideline: 81-1

Study Title: Ethofenprox (MTI-500) Acute Limit Test of Toxicity
to Dogs Following a Single Oral Administration

EPA ID Nos. EPA ID No. 2724 URO
EPA Accession No. 404497-24
Caswell No. 427 M
Project No. 8-0367

Sponsor: Zoecon Corporation
Dallas, TX 75234

Testing Laboratory: Department of Dog Toxicology
Huntington Research Ctr., Ltd.
Huntington, Cambridgeshire, England

Study No.: MTC 101/851185

Dates: Completion Date: October 24, 1985
Date of Report: December 15, 1987

Study Authors: Harling, R.J.; Burford, P.; Heywood, R.

Quality Assurance: A statement of compliance with GLP is signed
by Shillam, K.W.G.; B. Sc., Ph.D., F.I. Biol., Director, Quality
Assurance.

Test Compound: MTI-500 (Ethofenprox), Lot No. ST-103 from Mitsui
Toatsu Chemicals, Tokyo. Purity was 96.3%, received at test
facility on September 9, 1983.

Dose: 5g/kg. Administered in a gelatin capsule.

CONCLUSION - Executive Summary:

Acute oral LD₄₅ > 5 g/kg. Toxic Category is IV.

Core Classification: Minimum.

Method:

One male, 8.2 kg, one female, 7.2 kg, 20 weeks old on date of dosage received 5 g/kg in a gelatin capsule, single dose. Observation period was 14 days with observations, "throughout the day," except weekends when final check was around mid-day. Body weights were obtained twice weekly. At necropsy, 14 organ weights were obtained and tissues preserved for possible histopathology.

Results:

Clinical Signs - The male had green, semisoft feces about 2 hours postdosing, semisoft on days 2 and 4.

Body Weight - Slight loss for female after first 3 days and at last weight period was considered not a treatment-related effect.

Food Intake - Female "did not eat all the food offered," especially at predose and during second week.

Bone Marrow Smears - Taken prior to necropsy and were found to be normal in cellularity, morphology, and distribution.

Gross Pathology - Male had only one kidney and its left kidney was hypertrophied, about twice normal size. A "streaked hemorrhage" on the semilunar valve in the heart was noted in the male, considered "incidental to treatment."

Organ Weights - Included 14 organs. Except for left kidney in male, organ weights were "within range normally encountered."