

US EPA ARCHIVE DOCUMENT

DATA EVALUATION REPORT

1. CHEMICAL: Metolachlor (109901)
2. FORMULATION: Technical
3. CITATION: Affiliated Medical Research, Incorporated (1974) Emetic Dose 50 in Beagle Dogs with CGA-24705 Technical: Contract No. 120-2255-34. Received Sept. 26, 1974 under 5G1553. (Unpublished report prepared for CIBA-GEIGY Corp., Greensboro N.C.; CDL:112840-B)
4. TRADE SECRET CLAIM: Yes
5. REASON FOR REVIEW: Generic Standard for Metolachlor
6. REVIEWED BY: W. Thomas Edwards
Pharmacologist, Metabolic Effects Branch
Criteria and Evaluation Division
7. DATE OF REVIEW: January 20, 1978
8. TEST TYPE: Acute oral Toxicity: Emetic Dose 50

A. Materials and Methods: The test compound (metolachlor technical, dual, technical, CGA-24705) was prepared in Mazola Corn Oil to yield a concentration of 6.2 mg/ml and administered by oral intubation of 4 groups of 4 male and female Beagle dogs fasted for 16 hours prior to dosing; the initial body weights ranged from 8.4 to 13.5 kilograms. The animals were observed during the day of dosing and daily thereafter for 14 days.

B. Reported Results:

Dosage mg/kg	Emesis (E), Recovery (R) Hours		Cumulative Emesis
	0-4	4-8	0-24
75	4E	4R	4/4
50	3E	3R	3/4
25	2E	2R	2/4
6.2	1E	1R	1/4

Signs of Intoxication: Salivation, vomiting.

Gross autopsy was not performed oral emetic dose 50 was estimated to be 19.0 mg/kg \pm 9.7,

- D. Conclusion: This is an acceptable study for emetic dose 50 in dogs and indicates that an oral LD₅₀ cannot be determined in dogs due to metolachlor's emetic effect.