

US EPA ARCHIVE DOCUMENT

## DATA EVALUATION RECORD

1. CHEMICAL: Metolachlor [108801]
2. FORMULATION: Technical
3. CITATION: Sachsse, K. (1973) Skin Irritation in the Rabbit After Single Application of Technical CGA-24705: Project No. Siss 2979. Received September 26, 1974 under 5G1553. (Unpublished report prepared by CIBA-GEIGY Corp., Greensboro, N.C.; CDL:112840-I)
4. TRADE SECRET CLAIM: Yes
5. REASON FOR REVIEW: Generic Standard for Metolachlor
6. REVIEWED BY: Carolyn Gregorio  
Biochemist, Metabolic Effects Branch  
Criteria and Evaluation Division
7. DATE OF REVIEW: January 23, 1978
8. TEST TYPE: Primary Dermal Irritation
  - A. Materials and Methods: Six rabbits (3 males, 3 females) of the Russian Strain, weighing between 2 to 3 kg., were shaved two days before treatment with an electric clipper. Animals housed separately with food and water ad libitum. The shaved skin on the left side was slightly sacrificed immediately and the right side remained intact. A gauze patch with 0.5 ml of test compound was immediately applied to the prepared skin; the patch was covered with a plastic film which was fixed to the body with adhesive tape. Gauze patches were removed 24 hours after application; the reaction of the skin was appraised upon removal of the patch and 72 hours later on the basis of the "Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics" (1959) of the Association of Food and Drug Officials.
  - B. REPORTED RESULTS: Evaluation of the skin reaction shows one male rabbit [intact skin] exhibited erythema [score = 1] and edema [score = 1]; one female rabbit [sacrificed] exhibited edema [score = 1] 24 hours after application. There were no skin reactions reported at 72 hours after application. The primary irritation index as the measure of the acute irritation to the skin of rabbits was 0.1 out of a possible 8.0.
  - C. Discussion: No discussion necessary.

D. Conclusion: Technical metolachlor is essentially non-irritating to the skin.

This study meets requirements for primary skin irritation.

N/N