US EPA ARCHIVE DOCUMENT

DATA EVALUATION RECORD

1. CHEMICAL: Metolachlor [108801]

2. FORMULATION: Technical

3. CITATION: Sachsse, K. (1973) Irritation of technical CGA -24705 in the Rabbit Eye: Project No. Siss 2979. Received Sept. 26, 1974 under 5G1553. (Unpublished report prepared by CIBA-GEIGY Ltd., Basle, Switzerland; CDL:112840-G)

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 Eye Irritation

   A. Materials and Methods: The compound was tested on six rabbits (3 male, 3 female) of the Russian strain by introducing 0.1 ml of test compound into the conjunctival sac of the left eye with a syringe. After application, the eyelids were held open for a few seconds. The right eye served a control. The treated eyes of 3 rabbits were rinsed with 10 ml lukewarm water about 30 seconds after treatment. The other three treated rabbits were left unrinsed after treatment. The reactions were appriased with a slit lamp after 24 hours, and 2, 3, 4, and 7 days 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: The irritation index was found to be 0 for the cornea, 0 for the iris and 0 for the conjunctivae.

   C. Discussion: No discussion necessary.

   D. Conclusion: Technical metolachlor is non-irritating to the eye. This study meets the requirements for primary eye irritation.