Reviewed By: William B. Greear, M.P.H. William B. Greear 1/5/90
Review Section II, Toxicology Branch I - IRS (H7509C)
Secondary Reviewer: Marion P. Copley, D.V.M. MPCopley 1/30/90
Review Section II, Toxicology Branch I - IRS (H7509C)

DATA EVALUATION REPORT

Study Type: Guidelines Series 81-2 - Acute Dermal Toxicity Rat

TOX Chem No.: 325A
MRID No.: 410635-09

Test Material: Reg. No. 150-732/BAS 514..H (technical); purity not stated

Synonyms: 3,7-dichloro-8-quinolinecarboxylic acid, quinclorac

Sponsor: BASF Corporation Chemicals Division
Parsippany, NJ 07054

Testing Facility: BASF Aktiengesellschaft
Department of Toxicology
D-6700 Ludwigshafen/Rhein, FRG

Title of Report: Report on the Study of the Acute Dermal Toxicity in Rats of Reg. No. 150-732, BAS 514 H Dated December 12, 1983.

Author: O.J. Grundler

Study No.: 83/0244

Classification:

Guideline - Satisfies Guidelines Series 81-2 (Acute Dermal Toxicity).

Conclusions: LD_{50} > 2000 mg/kg

Toxicity Category: III

Materials and Methods:

Ten male and ten female Wistar rats with mean body weights of 240 and 216 g, respectively, were obtained from K. Thomas GMBH, Biberach, FRG, and allowed to acclimate to laboratory conditions for at least 1 week. The rats were individually housed in stainless steel wire mesh cages in a room with temperatures of 20 to 24 °C, relative humidity of 30 to 70 percent, and a 12-hour on/12-hour off light cycle. Kliba-Labordiaet and tap water were available ad libitum. At least 15 hours prior to application of the test material at a dose level of 2000 mg/kg, dorsal and dorsolateral parts of the trunk of the rats were clipped free of fur. The test sites were covered with a semiocclusive dressing for 24 hours. After removal of the dressing, the test sites were rinsed with warm water. The rats were observed for clinical signs of toxicity and mortality several times on the day of dosing and at least once each workday and once on holidays for a period of 15 days. Irritation of the skin was scored after 30 to 60 minutes of removal of the dressings and at weekly intervals thereafter. Body weights were determined on days 2, 7, and 13. All animals received a gross necropsy. Quality assurance inspections were not conducted. The study was not conducted under GLP conditions.

Results:

No deaths occurred, no clinical signs of toxicity were observed, and no skin irritation was present. Mean body weights were reduced on day 2, but the rats regained the weight lost by day 7. No gross abnormalities were noted in the survivors at necropsy.