UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

003109

3/27/1992

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: Kathon 893T (Octhilinone) - Submission of a 90-Day Dermal Study in Rats for Reregistration

TOX Chem No.: 613C
PC NO.: 099901
Project No.: 2-0067
Submission No.: S404787

FROM: William B. Greear, M.P.H. William B. Greear 3/26/92
Review Section IV
Toxicology Branch I
Health Effects Division (H7509C)

TO: Barbara Briscoe/Franklin Rubis, PM Team 51
Reregistration Branch
Special Review and Reregistration Division (H7508W)

THRU: Marion P. Copley, D.V.M., Section Head Marion P. Copley 3/27/92
Review Section IV
Toxicology Branch I
Health Effects Division (H7509C)

I. CONCLUSIONS:

The study submitted by the sponser satisfies the requirement for a Guideline Series 82-3 90-day Dermal study.

II. REQUESTED ACTION:

SRRD has requested that TOX I evaluate the study titled "RH-893 HQ Technical Three-Month Dermal Toxicity Study in Rats", (Report No. 90R-031, 03/19/91.

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III. RESULTS:

Dose levels: 0, 2.97 (0.3%), 5.95 (0.6%) and 14.87 (1.5%) mg/kg/day

Strain: Crl:CDBR Rat

NOEL (dermal) <2.97 (0.3%) mg/kg/day

LEL (dermal) = 2.97 (0.3%) mg/kg/day (based on skin irritation: hyperkeratosis, acanthosis, foci of necrosis, eschar formation, sebacious gland hyperplasia and chronic inflammation)

LEL=14.87 (1.5%)

NOEL (systemic) = 5.95 (0.6%) mg/kg/day (based on decreases in HGB, HCT, RBC, albumin, glucose and total protein in females and a decrease in body weight gain in males)

Core classification: Minimum

Acceptability: This study satisfies the requirement for a Guideline Series 82-3 90-Day Dermal Toxicity study.