



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

000409

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*  
Review Section IV  
Toxicology Branch I  
Health Effects Division (H7509C) *3/27/92*

**I. CONCLUSIONS:**

The study submitted by the sponsor 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, sebaceous gland hyperplasia  
and chronic inflammation)

NOEL (systemic) = 5.95 (0.6%) mg/kg/day<sup>LEL=14.87(1.5%)</sup> (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.