



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

APR - 8 1994

**MEMORANDUM**

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

SUBJECT: ID 099901-000707: Octhilinone, Waiver request for a  
dermal sensitization study

Tox. Chem.#: 613C  
P.C. Code: 099901  
DP Barcode: D182658  
Submission: S380416

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*Marion Copley 4/1/94*

TO: Briscoe/Rubis (PM 81)  
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Thru: Karl Baetcke, PhD, Chief  
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*Karl D. Baetcke  
4/7/94*

**CONCLUSIONS:**

The request by Rohm and Haas Company for a data waiver for the dermal sensitization study (81-6) on technical Octhilinone is reasonable. Octhilinone is considered to have sensitization potential and the labels should reflect this property. Therefore an additional study is not required.

**ACTION REQUESTED:**

The Agency rejected two dermal sensitization studies in guinea pigs (MRIDs 41482505 and 41482507) due to lack of positive controls. The registrant states that Octhilinone (RH-893 or Kathon 893) and other similar chemicals (isothiazolones) are known sensitizers. Isothiazolone is used as a positive control for dermal sensitization studies.

**DISCUSSION:**

It is reasonable to waive the requirement for a dermal sensitization study for Octhilinone due to the known potential for



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this and related chemicals to be dermal sensitizers. In addition this is supported by a the results of the two studies referred to above. Both are positive for dermal sensitization.

cc. WGREEAR

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