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

723Q
CASWELL FILE

2-15-91

FEB 15 1991

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: Fenethanil: Preliminary risk estimate.

CASWELL NO.: 723Q
HED NO.: 0-1965
ID#: 707-EUP-121

FROM: SanYvette Williams, D.V.M.
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*EAD for
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2/13/91*

TO: Susan Lewis, PM 21
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THRU: Elizabeth Doyle, Ph.D., Acting Section Head
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*EAD Doyle
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and

Marcia van Gemert, Ph.D., Chief
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*Marcia van Gemert
2/14/91*

Registrant: Rohm and Haas

Action Requested: Evaluate final data provided by the registrant in support of the second year of the subject EUP

Background: One year of a two-year EUP with a temporary tolerance for fenethanil on stone fruit was granted by Registration Division on the basis of evaluation of preliminary data from a rat chronic toxicity study. However, continuation of the temporary tolerance for the second year of the EUP was made contingent upon review of the histopathology report from the study which was anticipated to be available in Fall, 1990. The preliminary study indicated the presence of increased incidences of thyroid follicular cell adenomas and carcinomas in male rats on diets containing 800 ppm fenethanil.

Conclusion: The required data have been submitted; preliminary results of tumor analysis conducted by R. Engler indicate that the Q_1^* for the final data was $0.023 \text{ (mg/kg body weight/day)}^{-1}$. This value is not significantly different from the Q_1^* derived from the interim data ($0.026 \text{ (mg/kg body weight/day)}^{-1}$).