

US EPA ARCHIVE DOCUMENT

OCT 31 1988

MEMORANDUM

SUBJECT: Assessment of Human Exposure to Acephate Resulting from Indoor Spot Treatment Using Pressurized Spray Product.

TO: William Miller, Product Manager 16  
Insecticide-Rodenticide Branch  
Registration Division (TS-767C)

FROM: Arthur O. Schlosser, Chemist *Arthur O. Schlosser*  
Environmental Chemistry Review Section  
Non-Dietary Exposure Branch  
Health Effects Division (TS-769C) *Michael P. Firestone*

THRU: Michael P. Firestone, Ph.D., Chief (Acting)  
Non-Dietary Exposure Branch  
Health Effects Division (TS-769C)

Please find below the NDEB review of.....

HED Project #: 9-0113

RD or SRRD Record #: 232546

Registration #: 239-2440

Caswell #: 2A

Company Name: Chevron Chemical Company

Date Received: 10/6/88 Action Code: 305

Date Completed: \_\_\_\_\_

Review Time: 5 days

Deferral to: \_\_\_\_\_ Biological Analysis Branch/BEAD  
\_\_\_\_\_ Science Analysis and Coordination Branch  
\_\_\_\_\_ TB- Insecticide/Rodenticide Support  
\_\_\_\_\_ TB- Herbicide/Fungicide/Antimicrobial  
\_\_\_\_\_ other



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

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Registration Division has requested an opinion as to whether the registration of additional indoor spot treatment use of Acephate as a pressurized spray would represent an increase in exposure to humans. An answer to this question would usually involve a quantitative human exposure assessment by NDEB. Note that although NDEB does not have any actual or surrogate data to quantitatively assess this exposure, it is likely to be low considering the nature of the use-i.e., crack and crevice, and spot treatment with dilute (0.25%) spray formulation.

A meeting was called by NDEB on October 19, 1988 to discuss the status of the toxicology of Acephate and the need for additional human exposure assessments. This meeting was attended by staff from HED-NDEB, TB-IRS, BEAD-BAB and RD and the following conclusions were arrived at: (1) Available data on the acute effects of Acephate place it in Tox Categories III and IV and (2) The ocogenic potential is classified as non-quantifiable Category C. Considering the current toxicity profile indicating low hazard concerns and the fact that this use represents a limited increase in possible human exposure, quantitative use and risk assessments are considered unnecessary. Should the toxicity profile change or new uses be requested in the future, HED will reevaluate the need for additional exposure data.

TOX-IRS Concurrence: *Budd 10/27/88*

*wabm*

cc: W. Burnam