

US EPA ARCHIVE DOCUMENT

EFFICACY REVIEW

DATE: IN 2-19-91 OUT 4-25-91

FILE OR REG. NO. 64583-R

PETITION OR EXP. PERMIT NO. \_\_\_\_\_

DATE DIV. RECEIVED January 24, 1991

DATE OF SUBMISSION January 22, 1991

DATE SUBMISSION ACCEPTED \_\_\_\_\_

TYPE PRODUCT(S): (I), D, H, F, N, R, S Repellent

DATA ACCESSION NO(S). 417735-07; D161495; S391014; Case#027383; Action Code: 161

PRODUCT MGR. NO. 17-Hutton/Tavano

PRODUCT NAME(S) Little Point Insect Repellent

COMPANY NAME Dillon, Knowles & Company

SUBMISSION PURPOSE Provide performance data in support of registration of a new low concentration of deet in paste form for repelling mosquitoes, biting flies, fleas & ticks on skin.

CHEMICAL & FORMULATION N,N-Diethyl-m-toluamide 9.5%

Related compounds 0.5%

(0.92 grams per milliliter bulk density, paste)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 417735-07, having been obtained from simulated field testing according to a protocol that meets the requirements of § 95-9 on pp. 262-4 and especially § 95-9(a) on p. 263 and the standards for § 95-9(b)(1)(iv) on p. 264 of the Product Performance Guidelines, are adequate to support the claim for repellency against mosquitoes for up to 4 hours when the subject product is applied to human skin according to label directions. This acceptance is on the basis of the subject product providing equal or longer protection against alighting or probing female mosquitoes compared to a deet standard applied at the same rate or half the rate. The applicant must indicate which of the application rates used in testing corresponds to the subject product [it is presumed from the 4-hour duration that it is 50 mg per 15.90 cm<sup>2</sup>] and must provide evidence that the subject formulation has successfully resisted loss due to abrasion or sweating for the period of time during which effectiveness is claimed. Similarly, the data in MRID No. 417735-07 are adequate to support a claim for repelling questing deer ticks, Ixodes dammini, for 4 hours for the subject product on human skin based on the standard of § 95-9(b)(1)(iii) on p. 264 of the Guidelines. Providing toxicology data or references are adequate to fulfill requirements of § 95-9(a)(4) on p. 263 of the Guidelines, existing deet data will support general claims for mosquitoes and ticks as well as other pests claimed.

RL Vern L. McFarland, IRB