

US EPA ARCHIVE DOCUMENT

EFFICACY REVIEW

DATE: IN 3-16-94 OUT 10-31-94

FILE OR REG. NO. 58007-U

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

DATE DIV. RECEIVED December 21, 1993

DATE OF SUBMISSION May 24, 1993

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

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

DATA ACCESSION NO(S) . 427884-04;D200505;S458435;Case#004482;AC:160

PRODUCT MGR. NO. 10-Brennis/Tavano

PRODUCT NAME(S) 3M Insect/Arthropod Repellent Lotion

COMPANY NAME 3M Personal Care Products

SUBMISSION PURPOSE Provide performance data in support of subject formulation which is lower in concentration of a.i. than existing product vs. adult mosquitoes.

CHEMICAL & FORMULATION	<u>N,N-Diethyl-m-toluamide</u>	<u>28.4%</u>
	<u>Other isomers</u>	<u>1.5%</u>
	<u>(0.995 g/ml bulk density ready-to-use liquid)</u>	

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 427884-04, having been obtained from standard laboratory testing conducted according to the requirements of § 95-9, subpart (a)(2) and (3) on p. 263 and meeting the standard of § 95-9(b)(1)(iv) on p. 264 of the Product Performance Guidelines, are adequate to support the claim for repellency against adult mosquitoes for up to 10 hours when the subject product is applied to the skin according to the directions and on the schedule stated on the label. The claim "Based on technology proven effective in Florida Everglades and Central American jungles" is acceptable based on the similarity to protection offered by 3M Ultrathon™ Insect Repellent, for which data obtained by testing in the stated field locations was previously accepted, either directly or by reference. Based on rationale presented by the registrant on p. 5 of 33 in MRID Number 427884-04, the claim for repellency against deer ticks that may carry Lyme disease is acceptable without a specified duration of time due to the similarity in concentration of active ingredient to that in EPA Reg. No. 58007-1.

RL Vern L. McFarland, IRB