# EFFICACY REVIEW

DATE: IN11-18-94 OUT 4- 5-95

FILE OR REG. NO. 65233-1

PETITION OR EXP. PERMIT NO.

DATE DIV. RECEIVED November 15, 1994

DATE OF SUBMISSION November 4, 1994

DATE SUBMISSION ACCEPTED

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

DATA ACCESSION NO(S). None; D209541; S477232; Case# 023641; AC:305

PRODUCT MGR. NO. 10-Johnson/Brennis

PRODUCT NAME(S) Avon Authentic Skin-So-Soft, Moisturizing Suncare, Mosquito, Flea & Deer Tick Repellent, SPF 15 Paba-free Sunscreen Lotion

COMPANY NAME Avon Products, Incorporated

SUBMISSION PURPOSE Provide product performance results from new field tests to determine whether they support claims for repellency against mosquitoes.

CHEMICAL & FORMULATION Oil of citronella 0.05%
(ready-to-use lotion-type liquid of unspecified Sp.Gr.)

CONCLUSIONS & RECOMMENDATIONS The data presented in the unaccessioned volume entitled "Field Test of Mosquito Repellency of Avon Authentic Skin-So-Soft, Moisturizing Suncare, Mosquito, Flea & Deer Tick Repellent, SPF 15 Paba-free Sunscreen Lotion, EPA Reg. No. 65233-1-806", having been obtained from field testing according to a protocol meeting the requirements of § 95-9(a)(2) and (3) on p. 263 and the standard of § 95-9(b)(1)(iv) on p. 264 of the Product Performance Guidelines, are adequate to support claims of mosquito repellency for the subject product when applied to forearms and to legs of humans at slightly less than the 4.0 milligrams per square centimeter of skin surface area called for in the protocol. Since protection time against 7 species of mosquitoes representing 4 genera averaged over 2 hours for forearms and slightly more than 1 hour for legs, it may be advisable to recommend more frequent applications where protection of legs is the object of treatment and/or that some light clothing be worn over legs if exposure is likely to be much longer than 1 hour. The fact that the product was under applied to legs to a greater extent than to forearms may have contributed to differential results with the 2 areas of application.

RL Vern L. McFarland, IRB