

EFFICACY REVIEW

DATE: IN 3-11-93 OUT 5-28-93

FILE OR REG. NO. 45987-G

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

DATE DIV. RECEIVED January 11, 1993

DATE OF SUBMISSION January 7, 1993

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

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

DATA ACCESSION NO(S). 426230-03;D189098;S436880;Case#008247;AC:160

PRODUCT MGR. NO. 14-Forrest/Erickson

PRODUCT NAME(S) Stop Buggin' Insect Repellent Spray

COMPANY NAME Rod Products Company

SUBMISSION PURPOSE Provide performance data in support of claims for repellency against mosquitoes, biting flies, "no see-ums", ants, flying & crawling insects.

CHEMICAL & FORMULATION	<u>d-limonene</u>	<u>4.015%</u>
	<u>Dihydro-5-pentyl-2(3H)-furanone</u>	<u>0.024%</u>
	<u>Dihydro-5-heptyl-2(3H)-furanone</u>	<u>0.049%</u>
	<u>(0.845 Sp. Gr. liquid, ready-to-use)</u>	

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 426230-03, although obtained from standard laboratory testing conducted according to § 95-9(a)(2) and (3) on p. 263 of the Product Performance Guidelines, are not adequate to support a claim for repelling mosquitoes for the subject product when used according to label directions on human skin because observations were not continued for the 2-3 hours specified in § 95-9(b)(1)(iv) as minimum protection time nor did the identical formulation give 95% reduction in bite count as specified in § 95-10(b)(1)(ii) on p. 266. The same criteria would apply to biting flies and "no see-ums", although no tests were run against these flying insects. It should be noted that only the formulation designated "DOO NOT®" is applicable to the subject product and showed biological activity in Experiment VI equal to Skintastic® in Experiments II, III, IV and V.

OBJ Vern L. McFarland, IRB