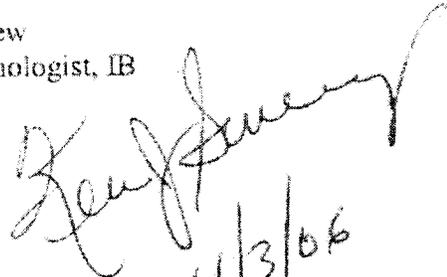


Product Performance Review
By Kevin J. Sweeney, Senior Entomologist, IB


4/3/06

Date: April 3, 2006

Reviewer: Kevin Sweeney

PM: Richard Gebken, PM 10

EPA Reg. No.- File Symbol: 58007-0 (9)

Product Name: Ultrathon Insect Repellent Pump

Registrant: 3M

Active Ingredient: DEET 19%

PC Code: 080301

Dec No. 360395

DP 322941

Product Type: Skin Applied Insect Repellent

OPPTS Guideline 810.3300

GLP: yes

Pests: mosquitoes and mosquitoes that transmit West Nile Virus

Claim: 3 hours of repellency

MRID 46638009 Evaluation of a Personal Repellent Against two Species of Mosquitoes
in a Laboratory Setting

Mosquito species tested were *Culex quinquefasciatus* and *Aedes aegypti*. Application rate was 0.4 ml/250square cm. This is equivalent to approximately 1.0 ml/650 square cm. This rate is typical of most DEET based insect repellent products. Six subjects were exposed to 3 cages of each species. Product failed in less than four hours. Mosquito density in the cages was very high.

Entomologist Comments and Recommendations:

1. The efficacy study results support a 3 hour repellency claim against mosquitoes and mosquitoes that transmit West Nile virus.