

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

Date: April 4 2006

Reviewer: Kevin Sweeney

PM: Richard Gebken, PM 10

EPA Reg. No. 121-96

Product Name: Cutter Insect Repellent 40L

Registrant: Spectrum, Division of United Industries

Active Ingredient: DEET 40%

PC Code: 08 01

Dec No. 359 9

DP 328132

Product Type: Skin Applied Insect Repellent

OPPTS Guideline 810.3300

GLP: no

Pests: mosquitoes, mosquitoes that transmit West Nile Virus, ticks, biting flies, gnats, chiggers, non-lice-ums, and fleas.

Claim: 10 hours of repellency against mosquitoes ✓

Registrant referred to similar product 121-88, Cutter Insect repellent 40P, a 40% DEET formulation with an 8 hour claim against mosquitoes and a listing of the same pests and claims. The label was approved on March 15, 2004. However, the field study submitted in support of this registration demonstrating the 10 hour claim – MRID 44517601- was not reviewed

The cited studies below are non-GLP studies consisting of field and laboratory evaluations. The test mosquito species include the saltmarsh mosquito, *Aedes sollicitans*; the Yellow Fever mosquito, *Ae. aegypti*; and the Southern House mosquito, *Culex quinquefasciatus*. Dated were also cited for the American Dog tick.

Cited MRL

44517601 Evaluation of the Efficacy of topical repellents Against Mosquitoes in the Field

46466310 Efficacy of Cutter Insect Repellent 10KP and Cutter 15 KP

46184811 Evaluation of Mosquito Repellents KSC-23-77, KSC-23-79, KSC-23-81 compared to Cutter All Family Insect Repellent (EPA Reg. No. 121 76 Towards the Southern House Mosquito.

460009203 Evaluation of Mosquito repellents KSC-22-137A, KSC-22-137, and KSC-22-149 Compared to Backwoods Cutter Insect Repellent Towards the Southern House Mosquito.

Entomologic Comments and Recommendations:

1. The cited data support a 10 hour repellency claim against mosquitoes.
2. Other label claims, many of them non-insecticidal, were previously accepted on the 1988 label for the same concentration of DEET