

EFFICACY REVIEW

DATE: IN 5-25-93 OUT 7- 8-93

FILE OR REG. NO. 54089-1

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED April 16, 1993

DATE OF SUBMISSION March 15, 1993

DATE SUBMISSION ACCEPTED _____

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

DATA ACCESSION NO(S). 427452-01;D191660;S441405;Case#030620;AC:300

PRODUCT MGR. NO. 14-Forrest/Cromwell

PRODUCT NAME(S) M7 Mop-On Roach Killer Insecticide

COMPANY NAME R Value/West

SUBMISSION PURPOSE Provide performance data in support of amended
application directions for control of larval
fleas by carpet extraction, spraying & dusting.

CHEMICAL & FORMULATION Disodium octaborate tetrahydrate 99.4%
(25-35 lbs./cubic foot bulk density, powder)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession
(MRID) Number 427452-01, having been obtained from laboratory test-
ing which simulated the actual use pattern and thus satisfied the
requirements of § 95-11(b)(1)-(7) and meets the standard of § 95-
11(c)(2)(ii)(A)(a) and (b) with respect to larval fleas as crawl-
ing insects to be controlled, are adequate to support claims for
the subject product when applied to carpeting by means of carpet
cleaning equipment (extractors/shampooers) at 4 oz. per gallon per
75-120 square feet of surface area (= 6.56-10.5 mg product per sq.
in. weight for weight), at 12 oz. per gallon per 200 sq. ft. of
surface area (= 11.8 mg product per sq. in. weight for weight) or
as a dust at 8 oz. per 100 sq. ft. of surface area (= 15.75 mg
product per sq. in. weight for weight). These values are well
within the range of previous acceptances for this active ingredi-
ent as discussed by Kahlil and Patterson (1986) (see review for
EPA File Symbol 63380-E dated June 11, 1993), but in this case no
claim for repellency is made and we have actual data demonstrating
effectiveness at less than the deposit which these authors believed
to be necessary for practical control (= 25.2 mg per sq. in.).
This may be due to the nature of the inerts in the subject product
compared to the latter product or to the fact that the subject
product is used with detergents when sprayed. The claim for sil-
verfish is acceptable on the basis of labeling for the boric acid
and boron-containing compounds registration standard.

RL Vern L. McFarland, IRB