

US EPA ARCHIVE DOCUMENT

EFFICACY REVIEW

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

DATA ACCESSION NO(S). 412382-01
412382-02; Record Number: 252175; Action Code: 305
412382-03

PRODUCT MGR. NO. 15-LaRocca

PRODUCT NAME(S) Hartz® Blockade® for Dogs

COMPANY NAME The Hartz Mountain Corporation

SUBMISSION PURPOSE Provide performance data obtained according to a
company devised protocol in support of claims of
toxicity to and repellency of deer tick on dogs.

CHEMICAL & FORMULATION N, N-Diethyl-m-tolamide 8.55%
Other isomers 0.45%
Cyano (3-phenoxyphenyl) methyl-4-chloro-alpha-
(1-methyl ethyl) benzeneacetate 0.09%
(non-aqueous pressurized liquid spray, 7 or 13 fl. oz.)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID)
Number 412382-01, having been obtained according to a company devised protocol
which incorporates all essential requirements of § 95-9(a)(2) and (3) on p. 263 and
meets the standard of § 95-9(b)(2)(i) on p. 264 of the Product Performance Guide-
lines, are adequate to demonstrate the effectiveness of the subject product in re-
pellling and killing the deer tick, Ixodes dammini, the carrier of Lyme disease,
when applied according to label directions. The data presented in MRID Number
412382-02, having been obtained according to a company devised protocol which
incorporates essential requirements of § 95-9(a)(3) on p. 264 of the Guidelines,
are adequate to demonstrate the effectiveness of the subject product as a repellent
to the deer tick on dogs when applied according to label directions. The data pre-
sented in MRID Number 412382-03, having been obtained according to a company de-
vised protocol which incorporates essential requirements of § 95-9(a)(2) and (3) on
p. 263 and meets the standard of § 95-9(b)(2)(i) on p. 264 of the Guidelines, are
adequate to demonstrate the effectiveness of the subject product in killing the
deer tick on dogs when applied according to label directions. The data indicate
that the in vitro method overestimates the amount of spray required per pound of
animal body weight by about 5% when applied as a repellent but underestimates
the amount required when applied as a toxicant by about 23%. Also, the "2 seconds
per pound of body weight" overestimates the time to cover a shorthaired animal and
underestimates the time to cover a longhaired animal but neither is significant.

RL Varn L. McFarland, IRB