

EFFICACY REVIEW

DATE: IN10-21-93 OUT 5-26-94

FILE OR REG. NO. 64405-A

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED August 18, 1993

DATE OF SUBMISSION August 12, 1993

DATE SUBMISSION ACCEPTED _____

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

DATA ACCESSION NO(S). 428947-01;D196058;S451386;Case#034678;AC:160

PRODUCT MGR. NO. 10-Mountfort/Waldo

PRODUCT NAME(S) RTU Flea Spray

COMPANY NAME Nisus Corporation

SUBMISSION PURPOSE Provide performance data in support of claims
for control and prevention of fleas in carpeting
and upholstery for a sprayable form of borate.

CHEMICAL & FORMULATION Disodium octaborate tetrahydrate 8.5%
(8.87 lbs. per gallon ready-to-use liquid)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 428947-01, having been obtained from simulated field testing conducted according to the requirements of § 95-11(b)(1)-(8) on p. 268 and meeting the standard of § 95-11(c)(2)(i) and (ii) subpart (A)(b) on p. 270 of the Product Performance Guidelines, are adequate to support claims as flea ovicide and flea adulticide for the subject product when applied at 1.9-3.17 milligrams a.i. per square inch to carpeting and upholstery as a fine, uniform spray to the point of dampness but not saturation. Note that this is equivalent to 22.35 to 37.3 milligrams of product per square inch, which is more than enough borate per unit area to control fleas in carpeting according to Khalil and Patterson (1986), a study which did not include DOT (disodium octaborate tetrahydrate), and more recent studies by Klotz, Koehler and Patterson and Klotz, Moss, Zhao and Davis (both 1993), which did. (See our review of May 9, 1994 for EPA Reg. No. 64396-1 for details.)

NAC Vern L. McFarland, IRB

PC Code 011103