

EFFICACY REVIEW

DATE: IN 3- 4-93 OUT 11- 8-93

FILE OR REG. NO. 4822-GOE

PETITION OR EXP. PERMIT NO. \_\_\_\_\_

DATE DIV. RECEIVED January 21 and April 9, 1993

DATE OF SUBMISSION November 30, 1992 & April 1, 1993

DATE SUBMISSION ACCEPTED \_\_\_\_\_

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

DATA ACCESSION NO(S). 426395-01, 427317-01 & 426395-02; D188819; S436379; Case # 008302; AC:165

PRODUCT MGR. NO. 14-Forrest/Cromwell

PRODUCT NAME(S) RAID® Roach Gel Baits

COMPANY NAME S. C. Johnson & Son, Incorporated

SUBMISSION PURPOSE Provide performance data in support of claims on label regarding killing roaches, ants (workers & queens) of various types and length of effect.

CHEMICAL & FORMULATION Boric acid 2.0% (8.81-8.89 lbs./gal. bulk density, aqueous, ready-to-use)

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession (MRID) Number 426395-01 representing a preliminary report and that in MRID No. 427317-01 being the final report of a GLP study done according to a company-devised protocol which meets the requirements of § 95-11(b)(1)-(7) on p. 268 and the standard of § 95-11 subpart (c)(3)(a)(1) and (b) on pp. 270-1 of the Product Performance Guidelines, are adequate to demonstrate the ability of the subject formulation to kill susceptible and resistant strains of the German cockroach, *Blattella germanica*, for baits aged up to 12 weeks and thus establish the claim "Kills roaches resistant to conventional insecticides [including organophosphates, carbamates, and pyrethroids]" on the product labeling. The data presented in MRID No. 426395-02, a report on a non-GLP study done according to a company-devised protocol which meets the same requirements as the previously discussed study with respect to crawling insects, are adequate to demonstrate the ability of the subject formulation to attract and kill workers of Argentine, carpenter, pharaoh and imported fire ants over a period of 42 days and thus establish the claim "Kills Fire Ants, Carpenter Ants, Argentine Ants and Pharaoh Ants with a Water Gel." The data in both volumes are adequate to establish the claims "Kills ants and roaches continuously [for one month][for 4 weeks]" and "Kills a variety of household ants and roaches". Data in MRID No. 426395-02 are also adequate (continued)

to demonstrate the ability of the subject formulation to reduce the number of live pharaoh ant queens over a 6-week period and thus establish the claim "Kills the queen and the entire colony" when the baits are used in the locations, manner and number specified and are replaced on the schedule stated on the product labeling.

RL Vern L. McFarland, IRB

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