

US EPA ARCHIVE DOCUMENT

EFFICACY REVIEW

DATE: IN 11-1-88 OUT 9-19-89

FILE OR REG. NO. 279-GNIE

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED October 26, 1988

DATE OF SUBMISSION October 25, 1988

DATE SUBMISSION ACCEPTED _____

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

DATA ACCESSION NO(S). None; Record Number: 234101; Action Code: 161

PRODUCT MGR. NO. 15-La Rocca

PRODUCT NAME(S) Cynoff[®] FT Termiticide

COMPANY NAME FMC Corporation, Agricultural Chemical Group

SUBMISSION PURPOSE Provide revised labeling reflecting use of 0.3% to 0.6% active ingredient in all applications, based on additional efficacy data registrant received.

CHEMICAL & FORMULATION Cypermethrin: (±) α-cyano-(3-phenoxyphenyl) methyl (±)-*cis,trans*-3-(2,2-dichloroethyl)-2,2-dimethylcyclopropane carboxylate 24.8%

*Cis/trans ratio: Maximum 55% (±) *cis* and minimum 45% (±) *trans*.

(2.0 lbs. active ingredient per gallon emulsifiable liquid)

CONCLUSIONS & RECOMMENDATIONS This product is identical to EPA Reg. No. 279-3081, Cynoff[®] 2 EC Insecticide, recently registered conditionally. The subject product is designed to be used by PCO's in all applications for control of termites, particularly subterranean types, in pre-construction treatment, post-construction soil treatment and in specific pest control applications including posts, poles and other constructions; spot treatment for control of wood-infesting insects; broadcast treatment of wood for control of wood-infesting insects outside of structures; and firewood protection. These uses are supported at label rates by previous reviews for 2 other 2-lbs.-per-gallon cypermethrin formulations: EPA Reg. No. 10182-107, see our 10/28/88 review, and EPA File Symbol 432-TGG, see our 2/22/89 review. Data presented in connection with EPA File Symbol 4581-GAI for comparison with chlorpyrifos (see MRID No. 410182-02, pp. 10, 20, 21 and 24) demonstrate effectiveness of 0.25-0.5% against termites in 4 U.S. test locations for 4 years or more. The label claim for protection of firewood against infestation by 10 kinds of crawling pests is supported by the rate(s) for their control by EPA Reg. No. 279-3081, g.v. NAC Vernon L. McFarland, IRB P.M. Note: This review was not completed earlier due to unavailability of necessary supporting information.

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