

US EPA ARCHIVE DOCUMENT

PMSD/ISB

4553



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 16 1988

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: 45600-1. Request to register chlorpyrifos formulation for use in food handling establishment. No MRID No. RCB No. 4117.

FROM: Linda S. Propst, Chemist
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

Linda S. Propst

THRU: Andrew R. Rathman, Section Head
Special Registration Section 1
Residue Chemistry Branch
Hazard Evaluation Division (TS-769)

ARR

TO: Dennis Edwards, Product Manager #12
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Insecta Inc. of Deerfield Beach, Florida is requesting to register a 0.86% chlorpyrifos formulation to be marketed as INSECTA for use in food handling establishments including, but not limited to bars, restaurants, food stores, bakeries, bottling plants, canneries, and grain mills for the control of cockroaches, ants, crickets, silverfish, and spiders.

Chlorpyrifos [O, O,-diethyl O-(3,5,6,-trichloro-2-pyridyl) phosphorothioate] may currently be used in food handling establishments in accordance with the following prescribed conditions:

(1) Application shall be limited solely to spot and/or crack and crevice treatment in food handling establishments where food and food products are held, processed, prepared or served. Contamination of food or food contact surfaces shall be avoided. Food must be removed or covered during treatment.

(2) Spray concentration for spot treatment shall be limited to a maximum of 0.5% of the active ingredient by weight. A course, low-pressure spray shall be used to avoid atomization or splashing of the spray.

(3) Paint-on application for spot treatment shall be limited to a maximum of 2% of the active ingredient by weight.

(4) Crack and crevice treatment shall be limited to a maximum of 2% of the active ingredient by weight. Equipment capable of delivering a pin-stream of insecticide shall be used.

(5) Application via adhesive strips shall contain a maximum of 10% by weight of the controlled-release product in food handling establishments where food and food products are held, processed, prepared or served. A maximum of 36 strips (or 5.15 grams of chlorpyrifos) is to be used per 100 square feet of floor space. The strips are not to be placed in exposed areas where direct contact with food, utensils, and food-contact surfaces would be likely to occur (21 CFR 193.85).

Under the general directions for use the label states that food must be removed or covered during treatment. Application of INSECTA shall be limited to (paint-on) spot treatment and/or crack and crevice treatment. Apply INSECTA with a 3" to 4" brush, roller, or handled sponge applicator to localized areas where these pests have been seen or are suspected of hiding or entering. Apply only enough to wet the surface. Avoid runoff. Do not allow the insecticide to contact food or food processing surface. Areas to be treated include baseboards, moldings, around plumbing and other utility installations, dark corners, and closets, and around doors, ventilators, windows and other openings. Completely band the undersides of work tables and storage shelving but never on the exposed work-storage surface. For crack and crevice treatments, equipment capable of delivering a pin stream of insecticide should be used.

Conclusions and Recommendations

RCB concludes that this chlorpyrifos formulation meets the prescribed conditions as set forth in 21 CFR 193.85 for use in food handling establishments and therefore, has no objections to registering INSECTA.

cc: Reading File, Food Handling Establishment File, Subject File, Circulation, Reviewer, PMSD/ISB
RDI: A. R. Rathman, 8/16/88; R. D. Schmitt, 8/16/88
TS-769:RCB:LSP:lsp:CM-2:Rm803C:557-7324:8/17/88