



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

APR 11 1985

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

DATE:

SUBJECT: Request For Experimental Use Permit For Use Of
ALIETTE To Control Pythium Blight On Turf.

TO: Henry Jacoby, PM #21
Registration Division (TS-767)

FROM: Carolyn Gregorio, Toxicologist *CHC*
Toxicology Branch/ HED (TS-769) *4-10-85*

THRU: Clint Skinner, Ph.D.
Section Head,
and
Theodore M. Farber, Ph.D.
Branch Chief,
Toxicology Branch/ HED (TS-769) *C. Skinner*
4-10-85
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Chemical: Aliette, Fosetyl-Al; Aluminum tris-o-phosphonate

Caswell No.: 12B

Petition No.: 359-EUP-AI

Accession No.: 073287

Petitioner: Rhone-Poulenc

Background: Aliette is an oncogen in rats (2-Year Chronic Toxicity And Carcinogenicity Study In Rats, IRDC Study-No. 347-016, March 27, 1981). Microscopic pathology of urinary bladder in males at the highest dose tested (40000/30000 ppm) revealed transitional cell carcinoma (no metastasis observed) and transitional cell papilloma. In addition, a statistically significant increase of pheocromocytoma was observed in male rats at the 8000 and 40000/30000 ppm doses when compared to concurrent controls.

Action Requested: Rhone-Poulenc has submitted an application for an EUP for use of Aliette to control Pythium blight on turf.

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No residue data is required as this application is for a non-food use. Aliette will be applied by "commercial application equipment" with "up to four applications [dosage rates of 0.25 and 0.50 lb/1000 Ft²] on a 14-28 day schedule depending on weather conditions and disease severity." Use sites will be "golf courses, sod farms and/or sod nurseries". "A total of 16.5 acres will be treated with Aliette 80 WP."

Currently, Aliette is registered in the United States for use as a preplant dip on pineapples and on ornamentals as a drench treatment.

Recommendations: Although an extensive toxicology data base is available for Aliette, a provisional oncogenic risk assessment is necessary prior to acceptance of this request.

Therefore, the Toxicology Branch is requesting applicator (including mixer/loaders) exposure estimates from the Exposure Assessment Branch prior to the conduct of the oncogenic risk assessment.