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

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

OCT 20 1987

MEMORANDUM

SUBJECT: EPA Registration No. 359-706
Aliette

FROM: Deloris F. Graham DFG 10/27/87 E 10/27/87
Technical Support Section
Fungicide-Herbicide Branch
Registration Division (TS-767C)

TO: Lois A. Rossi, PM 21
Fungicide-Herbicide Branch
Registration Division (TS-767C)

APPLICANT: Rhone-Poulenc Company
P.O. Box 125
Monmouth Junction, NJ 08852

ACTIVE INGREDIENT:
Aluminum tris (O-ethylphosphate) 80%
INERT INGREDIENTS: 20%

BACKGROUND:

Submitted Acute Oral, Acute Inhalation, Acute Dermal and Skin Irritation Studies to support conditional registration of the product. Studies conducted by Rhone-Poulenc Company and Hazleton Laboratories Europe LTD. Data not accessioned. Method of support not indicated. Labeling submitted was stamped accepted November 13, 1986 with the signal word "CAUTION."

RECOMMENDATIONS:

1. FHB/TSS finds these data acceptable to support conditional registration of this product.

2. Based on the Eye Irritation Study reviewed by D. Graham on September 16, 1987, indicates the appropriate signal word is DANGER (see review comments).

3. Dermal Sensitization Study was not submitted and one must be submitted and/or cited.

LABEL:

The precautionary statements must be revised to include "DANGER. Causes irreversible eye injury. If in eye flush with plenty of water and get medical attention."

REVIEW:

(1) Acute Oral Toxicity Study: Rhone-Poulenc Company; C.R. Vitry/C.N.G. No. 21 165-E; Nov. 2, 1981.

PROCEDURE:

Two groups consisting of ten male and ten female rats received one of the following doses of test material: 0.0 (control) or 5.0 g/kg. Observations made for 14 days postdosing. Necropsy performed on all animals.

RESULTS:

One out of ten female rats died. Toxic signs reported included hypomotility, females coats looked dirty, and muscular hypotonia in one female. Necropsy report revealed congestions in lungs; greyish deposit adhering to mucosa of the glandular zone of the stomach. LD_{50} reported to be greater than 5.0 g/kg.

STUDY CLASSIFICATION: Core Guideline Data

TOXICITY CATEGORY: IV - CAUTION

(2) Acute Inhalation Toxicity Study: Hazleton Laboratories Europe Ltd.; Report No. 2771-198/1; Aug. 1981.

PROCEDURE:

Four groups consisting of 8 male and 8 female rats each were exposed for four hours to one of the following measured concentrations: 0.0 (control), 0.21, 1.59 or 2.67 mg/l (nominal conc. = 0.0, 0.66, 8.88 or 19.12 mg/l respectively). Mass median aerodynamic diameter ranged between 0.94 to 3.64 um. Mean chamber temperature and relative humidity reported to be 19.1 $\pm$ 1.2°C and 62.3 $\pm$ 9.3% respectively. Observations made for 14 days postexposure. Necropsy performed on all animals.

RESULTS:

No mortalities reported. Toxic signs reported include ruffled wet fur, nasal secretion, facial staining, lacrimation, staining of the fur on head, back and thorax, wheezing, gasping, rattling or irregular breathing. Necropsy report revealed hydronephrosis of kidney; dark red foci on lungs on one male and one female; foci of foamy macrophages and pneumonitis in lungs which was more obvious in males than females.

STUDY CLASSIFICATION: Core Guideline Data

TOXICITY CATEGORY: III - CAUTION

(3) Acute Dermal Toxicity Study: Rhone-Poulenc Company; C.R. Vitry/C.N.G. No. 21 166-E; Nov. 2, 1981.

PROCEDURE:

Two groups consisting of six male and female rabbits with intact skin received one of the following doses: 0.0 or 2.0 g/kg of test material. Test material was dispersed in physiological saline and applied as fluid paste. Treated skin sites were placed under semi-occlusive wrap for 24 hour exposure. Observations made for 14 days postexposure. Necropsy performed on all animals.

RESULTS:

No mortalities, toxic symptoms or abnormalities at necropsy reported.

STUDY CLASSIFICATION: Core Guideline Data

TOXICITY CATEGORY: III - CAUTION

(4) Skin Irritation Study: Rhone-Poulenc Company; C.R. Vitry/C.N.G. No. 21 168-E; Nov. 2, 1981.

PROCEDURE:

Six rabbits with 2 abraded and 2 intact skin sites each received 0.5 g of the test material under semi-occlusive wrap for 24 hour exposure. Observations made for 3 days posttreatment.

RESULTS:

No irritation reported. Primary skin irritation index reported to be zero.

STUDY CLASSIFICATION: Core Guideline Data

TOXICITY CATEGORY: IV - CAUTION