

US EPA ARCHIVE DOCUMENT

12-19-85

BB-1307
TOX-6321



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

006321

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES
DEC 16 1985

MEMORANDUM

SUBJECT: EPA File Symbol 10182-EUP-GO
Clipper 25C

FROM: Deloris F. Graham *12/19/85*
Technical Support Section
Fungicide-Herbicide Branch
Registration Division (TS-767C)

E 12/19/85

TO: Robert Taylor
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Applicant: ICI Americas, Inc.
Agricultural Chemicals Division
Concord Pike and New Murphy Road
Wilmington, DE 19897

Active Ingredient:
(2RS, 3RS)-1-(4-chlorophenyl)-4,
4-dimethyl-2-(1H-1,2,4-triazol-1-yl)
pentan-3-ol 22.948
Inert Ingredients 77.068

Background:

Submitted addendum to acute oral study reviewed June 27,
1985. Data under Accession Number 260373. Method of support
not indicated.

Recommendation:

Based on information submitted in the addendum to original
acute oral report the toxicity category for Acute Oral Study
is III - CAUTION.

Label:

The subheadings "NOTICE" and "Storage and Disposal" must
appear under the heading "Directions For Use."

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Review:

1. Acute Oral Toxicity Study: ICI PLC, Central Toxicology Lab.; Report No. CTL/P/872; August 4, 1983.

Procedure:

Seven groups consisting of five male and five female rats each received one of the following doses: 0.5, 1.0, 2.5, 4.0, 5.0, 7.5, or 10.0 mL/kg of the test material orally. Observations made frequently on day of dosing, then daily thereafter up to 15 days posttreatment. Necropsy performed on all surviving animals.

Results:

At 1.0 mL/kg, 1:5 M and 2:5 F died; at 2.5 mL/kg, 3:5 M and 2:5 F died; at 4.0 mL/kg, 1:5 M and 5:5 F died; at 5.0 mL/kg, 2:5 M and 4:5 F died; at 7.5 mL/kg, 0:5 M and 3:5 F died; at 10.0 mL/kg, 3:5 M and 5:5 F died.

Clinical signs reported included activity decrease, abdominal tone decreased, ptosis both eyelids, comatose, dehydrated, hypothermia, piloerections, scouring, sides pinched in, hair loss, stains around snout, upward curvature of spine, corneal reflex (loss of), loss of righting reflex, decreased breathing rate, increased breathing depth, loss of stability, chromodacryorrhea, lachrymation, stained around mouth, urinary incontinence, labored breathing. Necropsy report revealed very pale colored livers and kidneys.

LD₅₀ for females reported to be 2.14 mL/kg (2.31 g/kg) with 95 percent confidence limits between 0.85 and 3.73 mL/kg. According to addendum submitted LD₅₀ for males was reported to be 17.8 mL/kg (19.4 g/kg) with 95 percent confidence lower limits at 4.4 mL/kg (4.8 g/kg). Higher limits could not be calculated.

Study Classification:

Core Guideline Data.

Toxicity Category:

III - CAUTION.

Paclobutrazol scientific review

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