



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

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

FEB 25 1982

MEMORANDUM

DATE: February 8, 1982

SUBJECT: 3125-GG0 (339) - Oftanol 6 Emulsifiable Insecticide
for application for Termite Control CASWELL #447AB

FROM: Charles Frick, Toxicologist
Toxicology Branch/HED (TS-769)

TO: Mr. Miller (16)
Registration Division (TS-767)

THRU: Orville E. Paynter, Chief
Toxicology Branch/HED - (TS-769)

Handwritten notes:
e.f. 2/9/82
FDC
2/8/82
H. J. CEP

Action Request: The use of AMAZE (Oftanol) for treatment of soil for control of subterranean termites.

Petitioner: Mobay Chemical Corporation

Recommendation: No data was submitted with this application however, the available data base for this formulation is adequate to support this action request.

Labeling adequately reflects the potential hazards associated with this formulation.

No data was presented that would indicate any potential residue exposure.

Toxicology Data on Oftanol 6 Emulsifiable Formulation:

The following data has been extracted from review of PP#8F2090 by C. Frick, 11/15/79. All of these studies are at least Core-Minimum.

Acute Oral Toxicity (Rat)

LD₅₀ (Male) = 30 (13-72) mg/kg
LD₅₀ (Female) = 27 (23-32) mg/kg
Toxicity Category I

Acute Dermal Toxicity (Rabbit)

LD₅₀ (Male) = 252 (152-411) mg/kg
LD₅₀ (Female) = 198 (109-291) mg/kg
Toxicity Category II

Eye Irritation (Rabbit)

Toxicity Category II

Dermal Irritation (Rabbit)

P.I. = 0/8
Toxicity Category IV

Acute Inhalation Toxicity (Rat)

LC₅₀ (Male) = 1.950 (1.393-2.730) mg/L
LC₅₀ (Female) = 1.650 mg/L
Toxicity Category II

The following data is available on the Oftanol Technical.

Two-Year Feeding Study (Dog)

NEL = 2 PPM

Chronic Feeding (108 Weeks) and Oncogenic Study in Mice

Negative oncogenic response

NEL = Not Determined

Two-Year Feeding and Oncogenic Study in the Rat

Negative oncogenic response

NEL = 1.0 PPM

Three-Generation Reproduction Study (Rat)

NEL = 1.0 PPM

Teratology Study Rat (Oral)

NEL for teratogenicity = 3 mg/kg/day

Dominant Lethal Test in the Male Mouse

Negative

Teratology Study Rabbit (Oral)

NEL for teratogenicity = 5 mg/kg/day highest level tested.

TS-769:th:TOX/HED:CFrick:2-23-82:card 2