

US EPA ARCHIVE DOCUMENT

11/22/96

DRAFT

MRID No.: 440031-04

DATA EVALUATION RECORD

§ 71-2(A) -- UPLAND GAME BIRD DIETARY LC₅₀ TEST

1. **CHEMICAL:** Zinc Silicate + Silver (TLF-8227) **PC Code No.:** 008103 & 072501

2. **TEST MATERIAL:** TLF-8227 **Purity:** 0.80% ZnSiO₃
0.91% Ag

3. **CITATION:**

Authors: S.J. Palmer, S.M. Campbell, and J.B. Beavers

Title: TLF-8227: A Dietary LC₅₀ Study with the Northern Bobwhite

Study Completion Date: June 7, 1994

Laboratory: Wildlife International Ltd., Easton, MD

Laboratory Report ID: 112-346

Sponsor: E.I. du Pont de Nemours & Company, Newark, DE

DP Barcode: D230591

MRID No.: 440031-04

4. **REVIEWED BY:** Max A. Feken, M.S., Environmental Toxicologist, KBN Engineering and Applied Sciences, Inc.

Signature:

Date:

APPROVED BY: Pim Kosalwat, Ph.D., Senior Scientist, KBN Engineering and Applied Sciences, Inc.

Signature:

Date:

5. **APPROVED BY:**

Signature:

Date:

6. **STUDY PARAMETERS**

Scientific Name of Test Organism: *Colinus virginianus*

Age of Test Organisms at Test Initiation: 12 days

Definitive Study Duration: 8 days

7. **CONCLUSIONS:** This study is scientifically sound but does not fulfill the guideline requirements for an acute dietary toxicity test using bobwhite quail. The LC₅₀ was greater than 5620 ppm, which classifies TLF-8227 as practically non-toxic to the bobwhite quail. The NOEC was determined to be 3160 ppm.



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