

US EPA ARCHIVE DOCUMENT

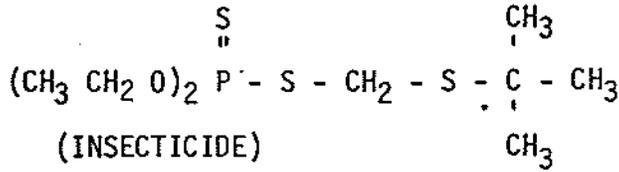
A N ✓

JAShaughnessy:mbs:2/5/73

Preliminary Evaluation of Temp. Permit
New Chemical with Petition for Tolerance
"ST-100", Submitted by Cyanamid 12-11-72

INTRODUCTION

Never registered. No common name. Trade names are ST-100 and AC-92,100.
Chemical name is S-[(tert-butylthio)methyl] 0,0-diethyl phosphorodithioate.



MFG. PROCESS (TECH.)

Unknown - must be requested.

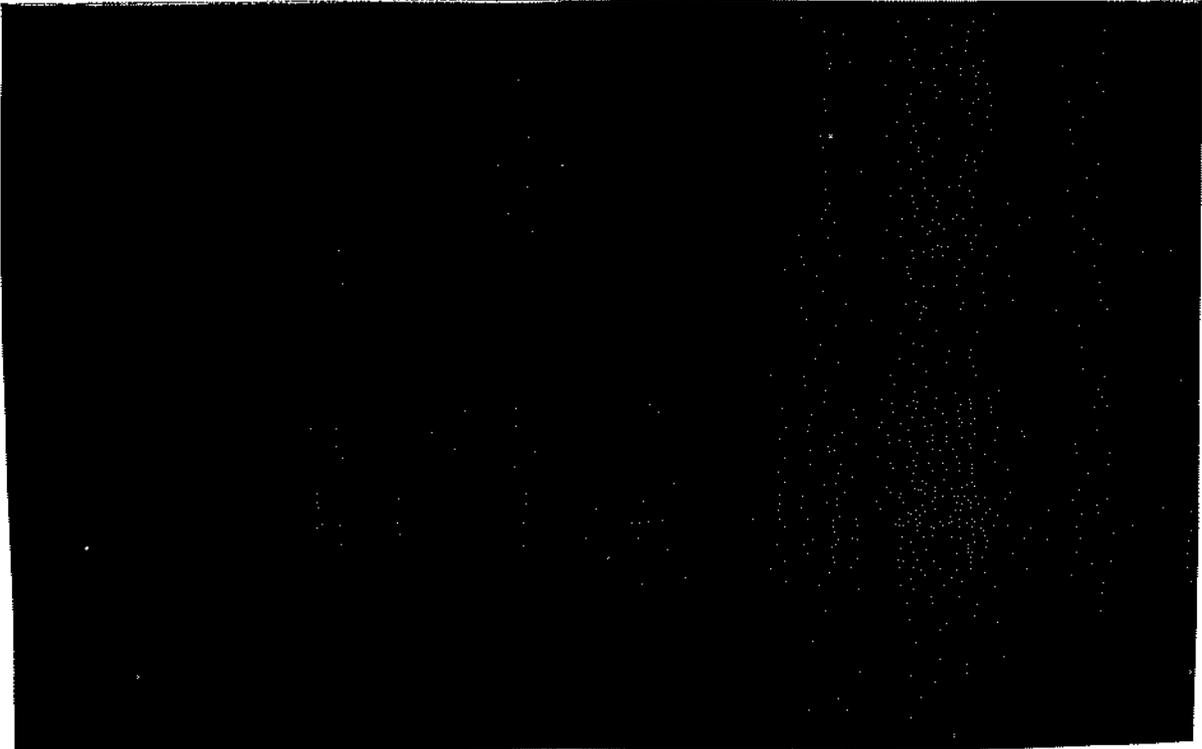
STORAGE STABILITY (FORMULATION)

No data - must ask.

%COMPOSITION TECH.

a.i.

86.5 %



PRODUCT IMPURITY INFORMATION IS NOT INCLUDED

3 pages

[REDACTED]

METHODS OF ANALYSIS FOR IMPURITIES IN TECH.

None submitted.

METHODS FOR ANALYSIS OF FORMULATIONS

None submitted.

PROPERTIES OF TECH.

PS₃ O₂ C₉ H₂₁

M.W. 288.4

Colorless Liquid

Soluble in organic solvents (acetone, alcohol).

Claimed stable to water, heat. We need more information than this.

ANALYTICAL STANDARD

We must request standards.

PROPOSED TOLERANCE

0.05 ppm in corn grain, fodder, forage.

FORMULATION

15G

USE PATTERN

One
Applic. { Field corn - At planting 1.20 or actual per 1000 ft. row for
Only any row spacing (min. 20 in. row spacing) or 0.98 lb Act/A
(40 in row spacing).

RESIDUES

Data are submitted. Refer to tolerance - setting function. Must have temp. tol. before temp. permit.

ENVIRONMENTAL

Refer to Mr. Ney's memo.

PRODUCT IMPURITY INFORMATION IS NOT INCLUDED

CONCLUSIONS

1. We must have an analytical method for formulations before granting permit. (This is an objection).

Other comments (RL) are:

2. Place brackets around (tert-butylthio) methyl.
3. Submit mfg. process for tech.
4. Submit storage stability data.
5. Submit analytical methods for impurities in tech.
6. Submit analytical standards.
7. Submit additional information on properties of tech.

PRODUCT IMPURITY INFORMATION IS NOT INCLUDED