

US EPA ARCHIVE DOCUMENT

ENVIRONMENTAL SAFETY  
REVIEW SUMMARY

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106001

5-4-74

J. W. AKERMAN  
ENVIRONMENTAL EFFECTS DIV.  
REVIEW SUMMARY  
①

Chemical Code PROBE PLUS (PROBE +MSMA)  
Common methazole 12.38%  
Chemical MSMA 27.13%

Company Velsicol

Permit TEMP PERMIT 876-EXP-4 PETITION REGISTRATION

Date submitted 3/11/74 Date received 4/5/74

Type of chemical Herbicide

Use For experimental use on seed cotton only.

Permit = 400 gallons

Data submitted for review

Environmental safety:

- Mammal LD50 \_\_\_\_\_
- Mammal chronic \_\_\_\_\_
- Fish \_\_\_\_\_
- Bird \_\_\_\_\_
- Shrimp, crab, oyster \_\_\_\_\_
- Other \_\_\_\_\_

Summary of previously  
submitted tox. data

Environmental chemistry (70-15)

- Fish residue \_\_\_\_\_
- Other \_\_\_\_\_

Chemical Probe Plus

Conclusions:

1. Exp. program designed to evaluate Probe Plus for control of various weed species in cotton grown for seed.
2. Data ~~is~~ available to satisfy <sup>basic</sup> fish and wildlife requirements.
3. Chronic fish not required:
  - a. Seed cotton only.
  - b. Residues <sup>(Probe)</sup> in aquatic envr. rapidly dissipate in water.
  - c. Residues <sup>(Probe)</sup> in soil do not leach; parent cpd. rapidly degraded.
  - d. Chemical <sup>(Probe)</sup> does not run-off to any great extent.
  - e. Chemical <sup>(Probe)</sup> does not inhibit growth of bacteria and fungi.
  - f. MSMA - already registered for cotton.
  - g. Ground application only.
  - h. Maximum accumulation in bluegill  $\approx 30 \times$ .
4. Label "May be hazardous to birds and fish. Keep out of lakes and streams."

The above statement should be deleted or revised prior

Recommendations to registration.

1. NAC permit 4/5/74 JWA

2.