

US EPA ARCHIVE DOCUMENT

ENVIRONMENTAL SAFETY
REVIEW SUMMARY

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U.S. ENVIRONMENTAL PROTECTION AGENCY
REVIEW SUMMARY

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

Company Velsicol

Registration 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 _____

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Chemical Probe PlusConclusions:

1. Exp. program designed to evaluate Probe Plus for control of various weed species in cotton grown for seed.

2. Data ~~not~~ available to satisfy ^{basic} fish and wildlife requirements.

3. Chronic fish not required:

a. Seed cotton only.

b. Residues ^(Probe) in aquatic enviro. rapidly dissipate in water.

c. Residues ^(Probe) in soil do not leach; parent cpd. rapidly degraded.

d. Chemical ^(Probe) does not run-off to any great extent.

e. Chemical ^(Probe) does not inhibit growth of bacteria and fungi.

f. msmt - already registered for cotton.

g. Ground application only.

h. Maximum accumulation in bluegill $\approx 30 \times$.

f. Label: "May be hazardous to birds and fish. Keep out of lakes and streams."

The above statement should be deleted or revised prior to registration.

Recommendations:

1. NAC permit 4/5/74 JWA

2.