

US EPA ARCHIVE DOCUMENT

Chemical Trade X9-5700

Common

Chemical 3-(trimethylsilyl)-propyl dimethyl octadecyl ammonium chloride 42%

Company

50%

Submission TEMP PERMIT PETITION REGISTRATION 34292-1

Date submitted 4-5-74

Date received 11/20/74

Type of chemical Bacteriostat, Fungistat, Algistat

Use For use as a coating in industrial processes

Data submitted for review

Environmental safety:

Mammal LD50

Mammal chronic

Fish

Bird

Shrimp, crab, oyster

Other

Environmental chemistry (70-15)

Fish residue

Other

Chemical X9-5700

Conclusions:

1. For use as a coating in industrial processes.
2. Label - 5 and 55 gallon drums
3. New chemical - need both fish and bird toxicity.

Fish inclusion submission

4. Expect NO problem with use -
Label statement

"Treated effluent should not be discharged where it will drain into lakes, streams or public waters"

The above may have to be modified when additional data are available.

Recommendations

The basic toxicological data required for all new pesticides must include both fish and avian studies. Determine the subacute toxicity ~~data~~ of the technical material (dietary LC50, 8-day protocol) on one species of waterfowl and one of the upland game birds (preferably the mallard duck or bobwhite quail).

The fish studies have been reviewed and are acceptable.

See above

06/11/20/24 JWA

Previously Nov 14, 1973

Now told to do bird studies before additional
uses are sought. (other than textile)

RL - Bird studies ~~before~~ before other uses
are accepted.

Chemical X-9-5700

Citation Dow Corning

Req. No. 34292-R

Exp permit no. _____

Portion no. _____

Accession NO _____

Submission date 4-5-74

Chemistry 3-(trimethoxysilyl)-propyl dimethyl octadecyl ammonium chloride

Structure

Chemical characteristics

Formulation (s)

Use

For use as a coating in industrial processes.

