

US EPA ARCHIVE DOCUMENT

107401

Review signed with

(2)

Chemical name: Dow CORNING Q9-5700  
Common name: Q9-5700

(42% a.c.)

Chemical description: 3-(trimethoxysilyl)-propyldimethyloctadecyl ammonium chloride

Company: Dow CORNING CORP.

Registration: TEMP PERMIT 34292-R REGISTRATION

Date submitted: 3-27-75

Date received: 5-5-75

Type of chemical: FUNGICIDE, BACTERIOSTATIC, ALGICIDE

Use: INDUSTRIAL USE ONLY - TEXTILES  
(see attached labeling)

Data submitted for review

Environmental Safety

Mammal T.D50

Mammal chronic

Fish

Bird

Shrimp, crab, oyster

Other

Environmental chemistry (7A-15)

Fish residue

Other

ChemicalConclusions:

- ① Seen previously by Jim. Need bird data if expand uses.
- ② Label Lvs: "w-22" needs "w-1."
- ③ Use Rates: 0.1-1.0% by wgt a.i. to textile fabrics
- ④ See no other real problems where need data as yet.

Recommendations

RL 5-5-75. M/Clark

~~(1) Insert "w-1" before "w-22" so it is one paragraph. Add "w-1, w-22" <sup>may add</sup> to the product bulletin.~~

(1) As indicated previously, avian toxicity studies will be necessary to support <sup>any</sup> additional uses. On the label modify & set apart "Treated effluent... public waters." in a paragraph which reads: "w-1, w-22" These cautions should be added to the product bulletin.

Chemical 3-(trimethoxysilyl)-propyl dimethyloctadecyl ammonium chloride

Citation Dow CORNING CORP.

Reg. No. 34292-R

Exp permit no. \_\_\_\_\_

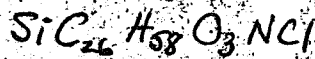
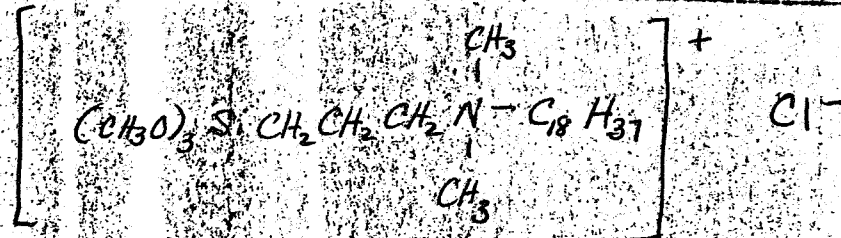
Portion no. \_\_\_\_\_

Accession NO \_\_\_\_\_

Submission date 3-7-75

Chemistry

Structure



Chemical characteristics

- ① Sp. gr. at 25°C = 0.841 - 0.859
- ② pH: 5.8 - 6.2
- ③ M. wt (gm/mole) = 496.3
- ④ Appearance: light to dark amber liquid
- ⑤ Solubility: miscible in all proportions with water, alcohols, ketones, esters, hydrocarbons, chlorinated hydrocarbons

Formulation (s)

- ① 42% a.s. in methanol

Use

TEXTILES

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Page 5 is not included in this copy.

Pages \_\_\_\_\_ through \_\_\_\_\_ are not included.

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The material not included contains the following type of information:

- Identity of product inert ingredients.
  - Identity of product impurities.
  - Description of the product manufacturing process.
  - Description of quality control procedures.
  - Identity of the source of product ingredients.
  - Sales or other commercial/financial information.
  - A draft product label.
  - The product confidential statement of formula.
  - Information about a pending registration action.
  - FIFRA registration data.
  - The document is a duplicate of page(s) \_\_\_\_\_.
  - The document is not responsive to the request.
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The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.

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