

SEP 11 1987

Dow Chemical Company
2040 Dow Center
Midland, MI 48674

Attention: Miss Margaret Wulf
Registration Specialist

Gentlemen:

Subject: Dow Liquid Disinfectant Formulation 2A
EPA Registration No. 464-605
Your Amendment Application Dated May 28, 1986

The evaluation of the data and labeling submitted in support of the proposed formula change for the product named above have been completed. The results of our evaluation are as follows:

1. The inclusion of the essential oils with the inert ingredients, substitution of chloroacetic acid with sodium hydroxide, and the revised Confidential Statement of Formula are acceptable.
2. The product chemistry data are in compliance with 40 CFR 158.120 and are acceptable.
3. The confirmatory efficacy data are acceptable to support the formula change. However, clarification must be provided on the batch number used in Report No. 27121. (It should be noted that this efficacy data review addresses only the subject of the proposed revised formula for this product under the conditions of previous acceptance of this registration. Utilization of the submitted efficacy data for this purpose does not constitute evaluation or approval of the data/labeling with regard to current scientific standards for efficacy of health-related antimicrobial pesticide products.)

91574:I;Douglas:K-8;KENCO:9/8/87;9/16/87:rw:VO:dg:lf
R91580:Douglas:K-8;KENCO:9/10/87;9/22/87:lf:EK

CONCURRENCES

SYMBOL								
SURNAME								

4. Revise the labeling statement:

(CALCULATED AS CaCO₃)

to read:

(CALCULATED AS CaCO₃).

5. The toxicity data submitted are adequate to place the product in the following Toxicity Categories:

Acute Oral	- 3
Acute Dermal	- 3
Skin Irritation	- 2
Eye Irritation	- 1

No precautionary labeling changes are required.

6. For your records, please note that the following EPA Accession Numbers have been assigned to the submitted data reports:

- a. Product Chemistry Reports 1-4 and Toxicology Reports 10-13 -- 263088.
- b. Product Chemistry Reports 5-7 and Product Performance Reports 8-9 -- 263087.

7. The registration record for this product has been revised to reflect the product name change from "Di Phene" to "Dow Liquid Disinfectant Formulation 2A."

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

- 1. Submit the information regarding the batch report requested in item 3 above.
- 2. Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
- 3. Make the labeling change requested in item 4 above before you release the product for shipment bearing the amended labeling.

3/6

-3-

4. Submit five (5) copies of your final printed labeling.

Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,



Jeff Kempter
Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)

Enclosure

Label Copy
Dow Liquid Disinfectant Formulation 2A
Front Panel
March 15, 1986

ACCEPTED
with COMMENTS
in EPA Letter Dated:

SEP 11 1987

DOW LIQUID DISINFECTANT FORMULATION 2A

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

464-605

TUBERCULOCIDAL

PSEUDOMONACIDAL

FUNGICIDAL

STAPHYLOCIDAL

VIRUCIDAL

PROVEN EFFECTIVE AS A ONE-STEP CLEANER-DISINFECTANT IN
400 PPM HARD WATER (CALCULATED AS CaCO3) AND IN 5% ORGANIC
SERUM for Health-Care Facilities, Institutional, and
Industrial Uses.

ACTIVE INGREDIENTS:

o-Phenylphenol.....6.73%

o-Benzyl-p-chlorophenol.....5.76%

INERT INGREDIENTS.....87.51%

DILUTION: 1 to 256 (one-half ounce per gallon)

EPA Registration Number: 464-605

EPA Establishment Number: 464-MI-1

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID: In case of eye contact, immediately flush eyes
with plenty of water for at least 15 minutes. Call a
physician. In case of skin contact, immediately wash with
plenty of soap and water. Get medical attention if
irritation persists. Remove and wash contaminated clothing
before reuse. If swallowed, do not induce vomiting.
Promptly drink a large quantity of water or milk, if
available. Avoid alcohol. Call a physician immediately.

See Complete Precautions and Directions

For Use on Side Panels

NET CONTENTS: 1 GALLON

THE DOW CHEMICAL COMPANY
MIDLAND, MI 48674

Label Copy
Dow Liquid Disinfectant Formulation 2A
Right Side Panel
March 15, 1986

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUSES EYE DAMAGE AND SKIN IRRITATION * HARMFUL OR FATAL IF SWALLOWED * HARMFUL IF ABSORBED THROUGH THE SKIN

Do not get in Eyes, on Skin, or on Clothing * Wear Goggles or Face Shield and Rubber Gloves when Handling * Avoid Contamination of Food * Wash Thoroughly with Soap and Water after Handling

FIRST AID: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. In case of skin contact, immediately wash with plenty of soap and water. Get medical attention if irritation persists. Remove and wash contaminated clothing before reuse. If swallowed, do not induce vomiting. Promptly drink a large quantity of water or milk, if available. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE:
Store out of the reach of children.

DISPOSAL:
Do not reuse empty container. Discard in trash.

Label Copy
Dow Liquid Disinfectant Formulation 2A
Left Side Panel
March 15, 1986

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Dow Liquid Disinfectant Formulation 2A is a concentrated "one-step" multi-purpose germicidal detergent effective in hard waters up to 400 ppm (calculated as CaCO3) and in 5% organic serum.

- * To clean and disinfect hard surfaces, use 1/2 ounce of Dow Liquid Disinfectant Formulation 2A per gallon of water for a minimum contact time of 10 minutes in a single application. Apply liquid with a mop, sponge, cloth, or bowl mop to thoroughly wet the surfaces. For disinfecting, remove gross filth and heavy soil deposits, then thoroughly wet surfaces. Rinsing is not necessary on floor surfaces unless floors are to be waxed or polished. Instruments should be cleaned and then immersed in Dow Liquid Disinfectant Formulation 2A for 10 minutes; rinse in sterile water before processing for sterilization. Prepare fresh solutions daily or when solution becomes visibly dirty.
- * To control mold and mildew growth on hard nonporous surfaces, use 1/2 ounce per gallon. Allow to stand for 10 minutes before wiping. Reapply as new growth appears.

For Health-Care Facilities:

At 1/2 ounce per gallon of water, Dow Liquid Disinfectant Formulation 2A is an excellent cleaner and germicide in operating and emergency rooms, patient rooms, laboratories, clinics, veterinary facilities, and animal care premises.

For Schools, Motels, Institutional, and Industrial Uses:

At 1/2 ounce per gallon of water, Dow Liquid Disinfectant Formulation 2A is an effective cleaner and disinfectant in rest rooms, shower and bath areas, exercise facilities, garbage storage areas, etc.

Dow Liquid Disinfectant Formulation 2A is effective against:

- | | |
|------------------------------------|--------------------------------|
| <u>Mycobacterium tuberculosis</u> | <u>Salmonella choleraesuis</u> |
| <u>Pseudomonas aeruginosa</u> | <u>Streptococcus fecalis</u> |
| <u>Trichophyton interdigitale</u> | <u>Enterobacter aerogenes</u> |
| <u>Streptococcus hemolyticus</u> | <u>Salmonella typhimurium</u> |
| <u>Diplococcus pneumoniae</u> | <u>Salmonella typhosa</u> |
| <u>Brevibacterium ammoniagenes</u> | <u>Escherichia coli</u> |
| <u>Influenza A2/England</u> | <u>Proteus mirabilis</u> |
| <u>Staphylococcus aureus</u> | <u>Proteus vulgaris</u> |
| <u>Serratia marcescens</u> | |