

DEC 19 1988

Mr. Jeff Kraschnewski  
 D.W. Davies & Company, Inc.  
 3200 Phillips Avenue  
 Racine, WI 53403

Dear Mr. Kraschnewski:

Subject: Dyno-San  
 EPA Registration No. 11741-26  
 Your Submission Dated December 2, 1987

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. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Revise your disposal statement to read:

**STORAGE AND DISPOSAL**

**PROHIBITIONS**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE DISPOSAL**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinseate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

52359:I:DeLaney:L-2;KENCO:12/01/88;01/17/88;de:SG:CL

**CONCURRENCES**

SYMBOL							
SURNAME							
DATE							

**CONTAINER DISPOSAL**

**(For metal containers)**

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**(For plastic containers)**

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities, by burning. If burned, stay out of smoke.

The "STORAGE AND DISPOSAL" heading must be of the same type size as the child hazard warning statement.

- b. The ingredient section is required on the front panel, immediately below the product name. Refer to the enclosure "The Label" for the appropriate labeling format.
- c. Revise the Referral Statement to read:

See side panel for additional precautionary statements.

- d. Delete the word "Milk."


- 2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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

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

If you have any questions concerning this letter, please contact Martha DeLaney at (703) 557-6982.

Sincerely yours,

  
John H. Lee  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (TS-767C)

Enclosures

# DAVIES "DYNO-SAN"

One-Step Acid Disinfectant-Cleaner-Sanitizer  
Mildewstat-Deodorizer

With Organic Soil Tolerance at 3 oz./gal.  
Plus Disinfectant Hard Water

(400 ppm Calculated as  $\text{CaCO}_3$ ) Tolerance  
at 4 oz./gallon

For Hospital, Institutional, Industrial Use  
Removes Hard Water Deposits and Lime Soap Buildups

KEEP OUT OF REACH OF CHILDREN

**DANGER**

See side panels for additional precautionary and practical treatment statements

Manufactured by

**D. W. DAVIES & CO., INC.**

3200 PHILLIPS AVE. PHONE (414) 837-6133 RACINE, WI. 53403



— PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS

## DANGER

Keep out of reach of children. Corrosive. Causes eye and skin irritation. Do not get in eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when using. Harmful or fatal if swallowed. Do not breathe spray or contamination of food.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container. Rinse empty container thoroughly with water and detergent and discard in trash.

### STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, gelatin solution; or if these are not available, drink several glasses of water. Avoid alcohol. Call a physician for treatment.

**NOTE TO PHYSICIAN:** Probably mucosal damage preclude the use of gastric lavage. Measures against respiratory shock, respiratory depression, and convulsions needed.

Net Contents \_\_\_\_\_

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

11741-26

### DIRECTIONS FOR USE

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

"DYNO-SAN" is a proven "one-step" disinfectant-cleaner-mildewstat-deodorant which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination at 4 oz./gallon. "DYNO-SAN" will remove hard water deposits and limesoap buildups when used as directed.

Apply Use-Dilution to porcelain and ceramic tiles, bathtubs, shower stalls, sinks, urinals, toilet bowl surfaces, related fixtures and other hard (inanimate) non-porous surfaces with a cloth, mop, or mechanical spray device so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use becomes visibly dirty. Surfaces must remain wet for ten minutes.

#### ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride	0.750%
Dioctyl dimethyl ammonium chloride	0.375%
Didecyl dimethyl ammonium chloride	0.375%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>16</sub> , 10%) dimethyl benzyl ammonium chloride	1.000%

#### INERT INGREDIENTS

97.500%  
100.000%

EPA Reg. No. 11741-26  
EPA Est. No. 11741-WI-1

**Hard Water Disinfection** - At 4 oz. per gallon use level when evaluated by the AOAC Use-Dilution Test, "DYNO-SAN" is effective in the presence of 5% blood serum and 400 ppm hard water against:

*Pseudomonas aeruginosa*  
*Staphylococcus aureus*  
*Salmonella choleraesuis*

**Disinfection** - At 3 oz. per gallon use level "DYNO-SAN" was evaluated by the AOAC Use-Dilution test in the presence of 5% blood serum and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

<i>Pseudomonas aeruginosa</i>	<i>Enterobacter aerogenes</i>
<i>Staphylococcus aureus</i>	<i>Proteus mirabilis</i>
<i>Salmonella choleraesuis</i>	<i>Shigella Dysenteriae</i>
<i>Escherichia coli</i>	<i>Brevibacterium ammoniagenes</i>
<i>Streptococcus pyogenes</i>	<i>Salmonella typhi</i>
<i>Klebsiella pneumoniae</i>	<i>Serratia marcescens</i>

**Mold and Mildew Control** - At 3.0 oz./gallon, "DYNO-SAN" will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

**"Sanitizing-Non-Food Contact Surfaces"** (such as floors, walls, tables, etc.) At 0.75 oz. per gallon use level, "DYNO-SAN" is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.