

# HS-210 Laundry Mildewcide & Bacteriostat (10%)

HS-210 Laundry Mildewcide & Bacteriostat (10%) controls musty odors and discoloration due to mildew, fungi and molds. For use in laundering fabrics. Provides a residual bacteriostatic action against odor-causing bacteria in laundered fabrics. HS-210 Laundry Mildewcide & Bacteriostat (10%) helps control most odor-causing bacteria and helps provide a fresh smell. The residual bacteriostatic action on the laundered fabric will inhibit the growth of odor-causing bacteria in the presence of moisture or wet contamination. For laundering fabrics such as diapers, institutional linens and athletic apparel in hospitals, nursing homes, schools and colleges and other institutions.

**INGREDIENTS**

FMB 210-8 Quat (80%)  
Deionized Water

**% by unit****12.5****87.5**

or

FMB 210-15 Quat (50%)  
Deionized Water

**20.0****80.0**

EPA Reg. No 47371-145

# HS-210 Laundry Mildewcide & Bacteriostat (10%)

BEST AVAILABLE COPY

HS-210 Laundry Mildewcide & Bacteriostat (10%) controls musty odors and discoloration due to mildew, fungi and mold. For use in laundering fabrics. Provides a residual bacteriostatic action against odor-causing bacteria in laundered fabrics. HS-210 Laundry Mildewcide & Bacteriostat (10%) helps control most odor-causing bacteria and helps provide a fresh smell. The residual bacteriostatic action on the laundered fabric will inhibit the growth of odor-causing bacteria in the presence of moisture or wet contamination. For laundering fabrics such as diapers, institutional linens and athletic apparel in hospitals, nursing homes, schools and colleges and other institutions.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use the product in a manner inconsistent with its labeling.  
**MILDREW PREVENTION:** Reduces the growth of mildew. For 1 week protection, use 8 1/2 oz per 100 lbs. (1 1/2 oz per 11 lbs.) of dry weight fabric. Repeat as necessary.

Use the appropriate amount of HS-210 Laundry Mildewcide & Bacteriostat (10%) in one to two gallons of water. Then add to the wash water in the final rinse (minimum rinse cycle time of 8 minutes). Repeat fabric after each washing.

For use in federally inspected meat and poultry plants for laundering uniforms or other fabrics which does not come into contact with food products. Follow directions from above.

#### ACTIVE INGREDIENT:

Diacyl dimethyl ammonium chloride ..... 10.0%  
INERT INGREDIENTS ..... 90.0%  
Total ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS.**

#### STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**NOTE TO PHYSICIAN:** Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

#### PRECAUTIONARY STATEMENTS

##### HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes severe eye and skin damage. Do not get in eyes or on skin. Wash contaminated clothing before reuse. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed or absorbed through the skin. Avoid contamination of food.

##### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your state water board or regional office of the EPA.

##### PHYSICAL AND CHEMICAL HAZARDS

HS-210 Laundry Mildewcide & Bacteriostat (10%) is caustic. Do not mix with soap or amoxic materials.

#### STORAGE AND DISPOSAL

##### PROMPTIONS

This product must be kept under locked storage sufficient to make it inaccessible to children or persons urban law with its proper use.

##### Do not reuse empty container.

##### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue 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.

##### CONTAINER DISPOSAL

##### PLASTIC CONTAINERS

Tighten caps for equipment. Then refer for recycling or reconditioning, or purchase and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

##### METAL CONTAINERS

Tighten caps for equipment. Then refer for recycling or reconditioning, or purchase and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

##### HAZARDOUS WASTE DISPOSAL

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

##### GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

H&S Chemicals Division  
970 East Tipton Street  
Huntington, IN 46750

Attention: Dick Sheets

Gentlemen:

Subject: HS-210 Laundry Mildewcide & Bacteriostat (10%)  
EPA Registration No. 47371-145  
Your Submission Dated April 26, 1988  
EPA Received Date May 10, 1988

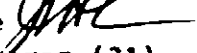
The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you submit five (5) copies of your final printed labeling before you release the product for shipment.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of this condition.

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

If you have any questions concerning this letter, please contact Karen Leavy at (703) 557-3966.

Sincerely yours,

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

Enclosure

50356:I:Lee:L-5:KENCO:11/29/88:1/12/89:CL:EK:CL

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

Reg. No: 47371-145 PM-51

# HS-210 Laundry Mildew & Bacteriostat (10%)

HS-210 Laundry Mildew & Bacteriostat (10%) controls musty odors and discoloration due to mildew, fungi and molds. For use in laundering fabrics. Provides a residual bacteriostatic finish against odor-causing bacteria in laundered fabrics. HS-210 Laundry Mildew & Bacteriostat (10%) helps control most odor-causing bacteria and helps provide a fresh smell. The residual bacteriostatic action on the laundered fabric will inhibit the growth of color-causing bacteria in the presence of moisture or wet contamination. For laundering fabrics such as diapers, institutional linens and athletic apparel in hospitals, nursing homes, schools and colleges and other institutions.

### DIRECTIONS FOR USE

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

**MILDEW PREVENTION** Reduces the growth of mildew. For 1 week protection, use 8 1/4 fl. oz. per 100 lbs of dry weight fabric. Retreat as necessary. *(or 1 fl. oz. per 11 lbs.)*

Dilute appropriate amount of HS-210 Laundry Mildew & Bacteriostat (10%) in one to two gallons of water, then add to the wash wheel in the final rinse (minimum rinse cycle time of 8 minutes). Retreat fabric after each washing.

*For use in federally inspected meat & poultry plants for laundering uniforms or other fabrics which does not come into contact with food products. Follow directions from above.*

### ACTIVE INGREDIENT:

Didecyl dimethyl ammonium chloride .....	10.0%
<b>INERT INGREDIENTS</b> .....	90.0%
Total .....	100.0%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS.**

### STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**NOTE TO PHYSICIAN:** Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**Corrosive** Causes severe eye and skin damage. Do not get in eyes or on skin. Wash contaminated clothing before reuse. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed or absorbed through the skin. Avoid contamination of food.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your state water board or regional office of the EPA.

#### PHYSICAL AND CHEMICAL HAZARDS

HS-210 Laundry Mildew & Mildew (10%) is cationic. Do not mix with soap or anionic materials.

### STORAGE AND DISPOSAL

#### PROHIBITIONS

This product must be kept under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

Do not reuse empty container.

#### PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate 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.

#### CONTAINER DISPOSAL

##### PLASTIC CONTAINERS

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

##### 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.

##### FIBER DRUMS WITH LINERS

Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drums are contaminated and cannot be reused, dispose of in the same manner.

#### GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide is registered under EPA Reg. No. 47371-145. Date: 02-02-1988

EPA Reg No 47371-145      Net Contents      EPA Est No 47371-IN-01      HS-1  
970 East Tipton, Huntington, Indiana 46750      219/356-8100