



**Unichem Corporation**

South Holland, Illinois 60473

# UNICHEM MILDEW PREVENTATIVE

UNICHEM MILDEW PREVENTATIVE is based on a highly-active Twin-Chain quaternary ammonium compound. It prevents musty odors and discolorization on all fabrics due to molds, mildew and fungi. At the same time, UNICHEM MILDEW PREVENTATIVE will sanitize the fabric and impart a residual self-sanitized and residual bacteriostatic finish to the laundered article.

The mildew inhibition of UNICHEM MILDEW PREVENTATIVE lasts at least four weeks when used as directed. It is designed for commercial and institutional laundry use by addition to the final rinse or sour step. Fabric may also be preserved against mildew by soaking in a solution of UNICHEM MILDEW PREVENTATIVE. For recommended solution concentration, see Use-Directions.

The laundering of fabric may not eliminate the pathogenic bacteria commonly found in soiled and contaminated fabrics such as diapers, hospital and institutional linen, and athletic apparel. These bacteria can survive commonly used laundering procedures and remain in finished "clean" fabrics. UNICHEM MILDEW PREVENTATIVE, when used at recommended levels, will sanitize such fabrics. Sanitizing is defined as a greater than 99.9% reduction in bacteria count on contaminated fabric.

At the same time UNICHEM MILDEW PREVENTATIVE imparts to the laundered, sanitized fabric a residual self-sanitizing and residual bacteriostatic finish. This finish will effectively protect the fabric against rapid bacterial growth caused by moisture and wet contamination. The residual bacteriostatic action of UNICHEM MILDEW PREVENTATIVE inhibits the growth of bacteria. Its residual self-sanitizing activity reduces the number of bacteria from wet contamination.

All of the above beneficial activity — mildew protection-sanitizing-residual self-sanitizing-residual bacteriostatic occur when the fabric is treated as directed.

UNICHEM MILDEW PREVENTATIVE is economical to use because it is concentrated. It should be handled with care.

## **DANGER:**

Keep Out of Reach of Children. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

**FIRST AID:** In case of contact, immediately flush eyes or skin with plenty of 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, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

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

## **UNICHEM MILDEW PREVENTATIVE**

Twin-Chain Quaternary  
Ammonium Compound Concentrate

Mildew Inhibitor for Commercial  
and Institutional Use

with  
Sanitizing  
and  
Residual Bacteriostatic and  
Self-Sanitizing Activity \*

### **Active Ingredient**

Didecyl dimethyl ammonium chloride 50%

### **Inert Ingredient**

50%

100%

### **EPA Registration No.**

32964-1

### **Net Weight**

400 lbs.

### **Net Volume**

55 gals.

\* Under humid or wet contamination conditions.  
See left panel for further comments.

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## **DANGER:**

KEEP OUT OF REACH OF CHILDREN. SEE  
LEFT PANEL FOR ADDITIONAL PRECAU-  
TIONARY STATEMENTS.

### **USE-DIRECTIONS**

For lasting mildew prevention, use UNICHEM MILDEW PREVENTATIVE

—For 2-week protection, use 100 pounds of concentrate per 1000 pounds of laundry

—For 3-week protection, use 100 pounds of concentrate per 1000 pounds of laundry

AND

At this use-level, UNICHEM MILDEW PREVENTATIVE will impart a residual self-sanitizing and residual bacteriostatic finish, confirmed against *Staphylococcus aureus* ATCC No. 4352 and *Staphylococcus aureus* ATCC No. 6538.

—2 1/2 oz. per 100 lbs. (weight) will protect for 30 days or more

AND

At this use-level, UNICHEM MILDEW PREVENTATIVE will impart a residual bacteriostatic finish, confirmed against *Staphylococcus aureus* ATCC No. 4352 and *Staphylococcus aureus* ATCC No. 6538.

Re-treat as necessary

Dilute the appropriate amount of UNICHEM MILDEW PREVENTATIVE in water and apply with a spray wheel in the final rinse

Re-treat fabric as necessary

Do not reuse on laundry that has been previously treated with a bleach or other strong oxidizing agent and discarded water by disposal

# UNICHEM MILDEW PREVENTATIVE

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All of the above beneficial activity — mildew protection-sanitizing-residual self-sanitizing-residual bacteriostatic occur when the fabric is treated as directed.

UNICHEM MILDEW PREVENTATIVE is economical to use because it is concentrated. It should be handled with care.

## DANGER:

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**FIRST AID:** In case of contact, immediately flush eyes or skin with plenty of 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, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

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June 11/1974  
32964-1

### USE-DIRECTIONS

For lasting mildew prevention, use UNICHEM MILDEW PREVENTATIVE as directed.

—For 2-week protection, use ½ oz. per 100 pounds of fabric (dry weight).

—For 3-week protection, use 1½ oz. per 100 pounds of fabric (dry weight).

AND

At this use-level, UNICHEM MILDEW PREVENTATIVE will also impart to the fabric a residual self-sanitizing and residual bacteriostatic finish. This activity has been confirmed against Klebsiella pneumoniae ATCC No. 4352 and Staphylococcus aureus ATCC No. 6538.

—2½ oz. per 100 pounds of fabric (dry weight) will give long-lasting protection, for 30 days or more, against mildew.

AND

At this use-level, UNICHEM MILDEW PREVENTATIVE will sanitize and impart to the fabric a residual self-sanitizing and residual bacteriostatic finish. These activities have been confirmed against Klebsiella pneumoniae ATCC No. 4352 and Staphylococcus aureus ATCC No. 6538.

Re-treat as necessary.

Dilute the appropriate amount of UNICHEM MILDEW PREVENTATIVE in one to two gallons of water; then add to the wash-wheel in the final rinse.

Re-treat fabric after each washing.

Do not reuse empty drum. Return to drum reconditioner or rinse well with soap solution and discard. Do not contaminate water by disposal of waste.