

FORMULA 4029

Heavy-Duty Germicide with Organic Soil Tolerance

Cleaner—Disinfectant—Deodorizer—Virucide* for Hospital and Institutional Use

AOAC Phenol Coefficients

Staph. aureus (ATCC No. 6538)	70
Salmonella typhosa (ATCC No. 6539)	50

Active Ingredients

Octyl Decyl Dimethyl Ammonium Chloride	4.50%
Dioctyl Dimethyl Ammonium Chloride	2.25%
Didecyl Dimethyl Ammonium Chloride	2.25%
Tetrasodium Ethylenediamine Tetraacetate	2.40%
Isopropyl Alcohol	3.60%

Inert Ingredients

85.00%
100.00%

EPA Registration No. 25581-2

Net Contents _____

DANGER: KEEP OUT OF REACH OF CHILDREN. SEE LEFT PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS.

USE DIRECTIONS

Apply **FORMULA 4029** to walls, floors, and other hard surfaces such as tables, chairs, and bedframes with a cloth or mop. **This product will clean and disinfect in the presence of organic soil when used as directed.**

When encountering organic soil in hospitals, nursing homes, schools, institutional and industrial uses, add two ounces per gallon of water.

At two ounces per gallon use-level, **FORMULA 4029** is effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Salmonella choleraesuis*. Germicidal performance against these organisms has been confirmed by the AOAC Use-Dilution Test in the presence of organic soil.

For routine disinfecting in hospitals, nursing homes, schools, institutional and industrial uses, add one ounce per gallon of water.

At one ounce per gallon use-level, **FORMULA 4029** is effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, and *Salmonella choleraesuis*. Germicidal performance against these organisms has been confirmed by the AOAC Use-Dilution test.

At one ounce per gallon use-level **FORMULA 4029** is virucidal against Herpes Simplex, Vaccinia, and Influenza A₂ (the Hong Kong flu virus).

One ounce of **FORMULA 4029** per gallon of water will deodorize bathrooms, garbage storage areas, and other areas where bacterial growth can cause mal odors.

Rinse empty container with water before discarding it.

SAN FRANCISCO, CALIF. 94124

ACCEPTED

25581-2

SEP 9 1974

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
ED UNDER NO. 25581-2

ACCEPTED

MAR 3 1975

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTER-
ED UNDER NO. 25581-4

FORMULA 4034 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, FORMULA 4034 will sanitize the fabric and impart a residual self-sanitized and residual bacteriostatic finish to the laundered article.

The mildew inhibition of FORMULA 4034 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 FORMULA 4034. 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. FORMULA 4034, 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, FORMULA 4034 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 FORMULA 4034 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.

FORMULA 4034 is economical to use because it is concentrated. It should be handled with care.

FORMULA 4034

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%

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

EPA Registration
No. 25581-4

DANGER:
KEEP OUT OF REACH OF CHILDREN.
See Right Panel for additional precautionary statements.

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MANUFACTURED BY **G & G CHEMICAL CO., INC.** 1550 CARROLL AVE., SAN FRANCISCO

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NET CONTENTS: _____

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.

USE-DIRECTIONS

For lasting mildew prevention, use **FORMULA 4034** as directed:

--For 2-week protection, use 1/2-oz. per 100 pounds of fabric (dry weight).

--For 3-week protection, use 1 1/4-oz. per 100 pounds of fabric (dry weight).

AND

At this use-level, **FORMULA 4034** 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.

--2 1/4-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, **FORMULA 4034** 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 **FORMULA 4034** in one to two gallons of water; then add to the washwheel in the final rinse.

Re-treat fabric after each washing.

Do not reuse containers. If steel drum, return to drum reconditioner or rinse with soap solution; discard. Do not contaminate water by disposal of waste.

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G & G CHEMICAL CO., INC. 1550 CARROLL AVE., SAN FRANCISCO, CA 94124

Formula 4026 is recommended wherever the maintenance of sanitary, clean conditions are indicated.

SANITIZING EFFECTIVENESS:

Formula 4026 is effective in waters up to 750 ppm hardness. This activity has been confirmed by the Germicidal and Detergent Sanitizers Method ("The Chambers Method"); Methods of Analyses, AOAC, Eleventh Edition, 1970, Page 66 as follows:

Escherichia coli ATCC No. 11229 at 200 ppm Active quaternary -- 750 ppm CaCO₃.

Staphylococcus aureus ATCC No. 6538 at 200 ppm active quaternary -- 750 ppm CaCO₃.

Formula 4026 contains a nonionic wetting agent to promote rinsing thus assuring film-free, spot-free equipment and utensils.

NOTE:

Do not mix with soap or anionic detergents. Rinse empty container thoroughly with water before discarding.

WARNING:

Keep out of reach of children. Causes eye or skin irritation. Do not get in eyes, on skin, or on clothing. Harmful 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. Avoid alcohol. Call a physician immediately.

FORMULA 4026

SANITIZER-CLEANER

for Equipment and Utensils in Food Processing, Industry, Bars, Restaurants, Institutional Kitchens, and Farms

ACTIVE INGREDIENTS:

Alkyl (60%, C ₁₄ ; 30%, C ₁₆ ; 5%, C ₁₂ ; 5%, C ₁₈) Dimethyl Benzyl Ammonium Chlorides	1.28%
Alkyl (68%, C ₁₂ ; 32%, C ₁₄) Dimethyl Ethylbenzyl Ammonium Chlorides	1.28%
Sodium carbonate	2.00%
INERT INGREDIENTS	95.44%
	100.00%

EPA REGISTRATION NO. 34139-1

WARNING:

KEEP OUT OF REACH OF CHILDREN. SEE LEFT PANEL FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS.

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NET CONTENTS: _____

GENERAL USE DIRECTIONS

Add one ounce per gallon of water. Use **Formula 4026** for sanitizing and cleaning of equipment and utensils in food processing, dairy industry, bars, restaurants, institutional kitchens, farms, and wherever sanitizing may be desirable. No rinse is required.

For heavily soiled equipment or utensils, pre-wash with a good detergent. Rinse with clean water. Then apply recommended dilution of **Formula 4026**

DIRECTIONS FOR RESTAURANT AND BAR RINSE:

Dishes, glassware, silverware, cooking utensils, wash with detergent, rinse thoroughly, and immerse in a solution containing 1 oz. of **Formula 4026** to 1 gallon of water (200 ppm). No rinse is required.

DIRECTIONS for Food Processing Equipment & Daries:

Clean and rinse equipment thoroughly, then apply sanitizing solution containing 1 oz. of **Formula 4026** to 1 gallon of water (200 ppm). No rinse is required.

WISCONSIN STATE BOARD OF HEALTH

DIRECTIONS FOR EATING ESTABLISHMENTS

1. Scrape and pre-wash utensils and glasses whenever possible.
2. Wash with a good detergent or compatible cleaner.
3. Rinse with clean water.
4. Sanitize in a solution of 1 oz. of **Formula 4026** to 1 gallon of water (200 ppm active quaternary). Immerse all utensils for at least two minutes or for contact time specified by governing sanitary code.
5. Place sanitized utensils on a rack or drain board to air-dry.