

DYNAKEM is a heavy duty disinfectant-cleaner with superior cleaning efficiency. It has been formulated to aid in the reduction of cross-contamination in institutions, schools and hospitals.

Precautionary Statements

Hazards to Humans and domestic animals

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 or absorbed through the skin. Avoid contamination of food.

STORAGE AND DISPOSAL

- DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL
- OPEN DUMPING IS PROHIBITED
- DO NOT REUSE EMPTY CONTAINER

PESTICIDE DISPOSAL

PESTICIDE THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES

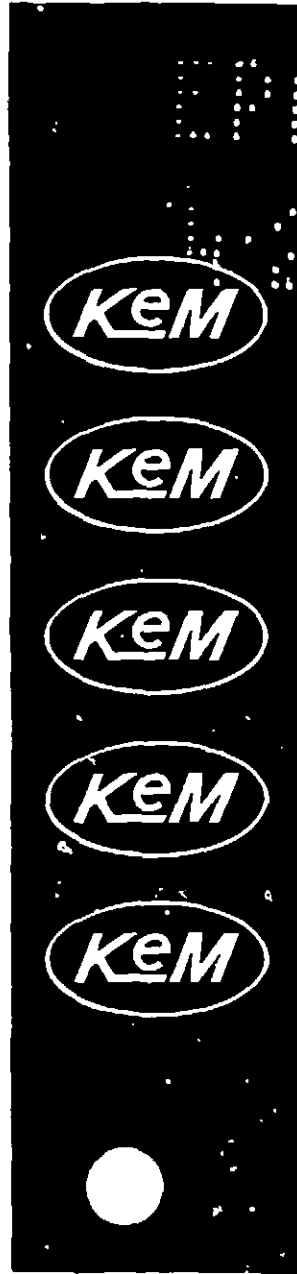
CONTAINER DISPOSAL

TRIPLE RINSE (OR EQUIVALENT) AND DISPOSE IN AN INCINERATOR OR LANDFILL APPROVED FOR PESTICIDE CONTAINERS, OR BURY IN A SAFE PLACE

FOR 30 GALLON AND LARGER CONTAINERS, TRIPLE RINSE (OR EQUIVALENT) AND OFFER FOR RECYCLING, RECONDITIONING, OR DISPOSAL IN APPROVED LANDFILL, OR BURY IN A SAFE PLACE

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES. SUC LIMITED OPEN BURNING



DYNAKEM
Heavy Duty
Disinfectant-Cleaner-Fungicide
Mildewstat-Virucide*
for Institutional and Hospital Use

Active Ingredients

Alkyl (C ₁₄ , 50%, C ₁₂ , 40%, C ₁₆ , 10%) dimethyl benzyl ammonium chloride	0.700%
Octyl decyl dimethyl ammonium chloride	0.384%
Dioctyl dimethyl ammonium chloride	0.384%
Didecyl dimethyl ammonium chloride	0.384%

Inert Ingredients

97.440%
 100.000%

KEEP OUT OF REACH OF CHILDREN

DANGER

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. 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.

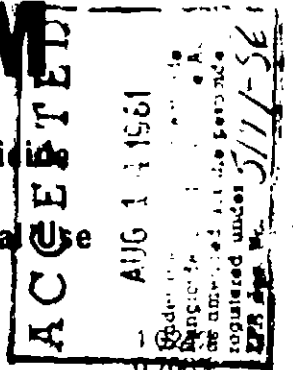
NOTE TO PHYSICIAN: Probable mucosa damage may contraindicate the use of gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent convulsions may be controlled by the cautious intravenous injection of a short acting barbiturate drug.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 5197-56

KEM MANUFACTURING CORPORATION

KEM INTERNATIONAL BUILDING, TUCKER, GEORGIA 30084 U.S.A.
 ATLANTA / EAST BRUNSWICK, N.J.
 Plants in Europe / Latin America / Caribbean / Canada / U.S.A.



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DYNAKEM

**Heavy Duty
Disinfectant-Cleaner-Fungicide
Mildewstat-Virucide*
for Institutional and Hospital Use**

ACCEPTED
AUG 14 1961
REGISTERED UNDER 5177-56
EPA Reg. No.

Active Ingredients

Alkyl (C₁₄, 50%, C₁₂, 40%, C₁₆, 10%) dimethyl benzyl ammonium chloride 0.766%
Octyl decyl dimethyl ammonium chloride 0.384%
Dioctyl dimethyl ammonium chloride 0.384%
Didecyl dimethyl ammonium chloride 0.384%

Inert Ingredients

97.440%
100.000%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

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. 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, as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short-acting barbiturate drug.

SEE LEFT PANEL FOR ADDITIONAL
PRECAUTIONARY STATEMENTS

EPA Registration No. 5197-56

KEM MANUFACTURING CORPORATION

KEM INTERNATIONAL BUILDING, TUCKER, GEORGIA 30084 U
ATLANTA / EAST BRUNSWICK, N.J.
Marked in: Europe / Latin America / Caribbean / Canada / U.S.A.

**Directions for Use
GENERAL CLASSIFICATION**

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

DYNAKEM is a proven "one step" cleaner-disinfectant-fungicide-mildewstat-virucide in the presence of organic soil.

Apply DYNAKEM to walls, floors and other hard (inanimate) surfaces such as tables, chairs, countertops, sinks and bedframes with a cloth, mop or mechanical spray. Surface must be sprayed until thoroughly wetted. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

For Schools, Institutional (Non-Medical) & Industrial Use, 2 oz. per gallon (16 ml per L) use level. The activity of DYNAKEM is effective against a broad spectrum of gram positive and gram negative organisms as represented by:

- | | |
|-------------------------|-----------------------------|
| Serratia marcescens | Proteus mirabilis |
| Salmonella typhi | Klebsiella pneumoniae |
| Staphylococcus aureus | Enterobacter aerogenes |
| Salmonella choleraesuis | Salmonella schottmuelleri |
| Escherichia coli | Shigella dysenteriae |
| Streptococcus pyogenes | Brevibacterium ammoniagenes |

Virucidal Performance*. At 2 oz. per gallon (16 ml per L) use level, DYNAKEM was found to be effective against the Influenza A (Brazil) virus.

For Hospitals and Nursing Homes, 3 oz. per gallon (24 ml per L) use level. At this dilution, DYNAKEM is effective against Pseudomonas aeruginosa as well as the broad spectrum organisms listed.

AOAC Fungicidal Test. DYNAKEM is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used at 2 oz. per gallon (16 ml per L) in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc.

Mildewstatic Performance. At 2 oz. per gallon (16 ml per L), DYNAKEM will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated above). Allow to dry on surface and repeat weekly or when mildew growth returns.

**FOR INDUSTRIAL USE ONLY
NOT FOR RESALE**

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Precautionary Statements
Hazards to Humans and Domestic Animals

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

PHYSICAL HAZARDS—Do not use if product is stored near heat or open flame.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL—Pesticide that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL—Dispose of in an incinerator or landfill approved for pesticide containers. But, in a safe place or return to drum reconditioner.

DIRECTIONS FOR USE

General Classification—It is a violation of Federal Law to keep this product in a manner inconsistent with its labeling. Apply FSD 40 with a cloth, mop, or mechanical spray device. When applied with a mechanical spray device, surfaces must be sprayed until thoroughly wetted. Treated surfaces must remain wet for 10 minutes. Fresh solution should be prepared daily or when the use solution becomes visibly dirty.

Disinfection in Hospitals, Nursing Homes, and Other Health Care Institutions

For disinfecting floors, walls, countertops, bathing areas, lavatories, bedframes, tables, chairs, garbage pails, and other hard surfaces.

Add 3 oz. FSD 40 to 4 gallons water. Apply to previously cleaned hard surface with mop or cloth.

At this use level, FSD 40 is effective against *Pseudomonas aeruginosa*.

Disinfectant in Institutions, Industry, Schools

For disinfecting floors, walls, bedframes, countertops, tables, chairs, garbage pails, bathroom fixtures, and other hard non-porous surfaces.

Add 2 1/2 oz. of FSD 40 to 4 gallons of water. Apply to previously cleaned hard surface with mop or cloth.

At 2 oz./4 gallon use level, FSD 40 is effective against *Staphylococcus aureus*, *Salmonella thymurgensis*, and *Trichophyton mentagrophytes*, the athlete's foot fungus.

PROD. NO. 02227

FSD-40

DISINFECTANT-SANITIZER FUNGICIDE DEODORIZER

HOSPITAL, INSTITUTIONAL, INDUSTRIAL, SCHOOL, DAIRY

ACTIVE INGREDIENTS:

Didecyl dimethyl ammonium chloride

Isopropanol

INERT INGREDIENTS:

7.5%
3.0%
89.5%
100.0%

DANGER KEEP OUT OF REACH OF CHILDREN

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. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly a large quantity of milk, egg white, 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 convulsions may be needed.

See Left Panel For Additional Precautionary Statements
EPA Registration No. 5736-64 • EPA Est. No. 5736-OH-1
Net Contents Shown Elsewhere on Container

Disinfectant for Poultry, Equipment, and Animals

Poultry brooders, watering fountains, and other animal quarters, such as stalls, should be disinfected after thorough cleaning with 2 oz. FSD 40 in 4 gallons of water. Small utensils should be immersed. Prior to disinfection of poultry, other feeds must be removed from the premises, emptying all troughs, racks and other feeding appliances. Remove all litter and droppings and other surfaces occupied or traversed by animals.

After disinfection, ventilate buildings or spaces. Do not house poultry or other equipment until treatment has been accomplished. All treated equipment that will contact feed must be rinsed with potable water before use.

Nonporous Sanitizing of Food Processing Equipment and Hard Nonporous Surfaces in Food

For sanitizing food processing equipment, food utensils, dishes, silverware, glasses, tops, refrigerated storage, and display, use hard nonporous surfaces. No Potable Water

Wash and rinse articles thoroughly with 1 oz. FSD 40 in 4 gallons of water. Surfaces should remain wet for at least 10 minutes. Adequate draining and air drying. Freshly prepared daily or when use solution becomes visibly dirty. For mechanical application, use solution for sanitizing applications.

Apply to sink tops, countertops, refrigerated display equipment and other stationary surfaces by brush or mop. No Potable Water

Dishes, silverware, glasses, cooking utensils, food processing equipment can be sanitized in a 1 oz./4 gallon dilution of FSD 40. Water rinse is required.

At 1 oz./4 gallons, FSD 40 fulfills the requirements of the U.S. Public Health Service, 1900 germ of hardness, calculated as evaluated by the AOAC Germicidal and Method against *Escherichia coli* and *Staphylococcus aureus*.

The udders, flanks, and teats of dairy cows should be washed with a solution of 1 oz. FSD 40 in 4 gallons of warm water. No Potable Water Rinse

Use a fresh towel for each cow. Avoid sanitizing solution by spit and soil. Do not back into sanitizing solution when solution is dirty. Discard and provide fresh solution.



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Disinfection of Poultry Equipment, Animal Quarters and Premises

Poultry brooders, watering founts, feeding equipment and other animal quarters, such as stalls and kennel areas, can be disinfected after thorough cleaning by applying a solution of 2 oz. FSD 40 in 4 gallons of water with a mop, cloth or brush. Small utensils should be immersed in this solution.

Pre- to disinfection, all poultry, other animals and their feeds must be removed from the premises. This includes emptying all troughs, racks and other feeding and watering appliances. Remove all litter and droppings from floors, walls and other surfaces occupied or traversed by poultry or other animals.

After disinfection, ventilate buildings, coops and other closed spaces. Do not house poultry, or other animals, or employ equipment until treatment has been absorbed, set or dried.

All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

Nonporous Sanitizing of Food Processing Equipment and other Hard Nonporous Surfaces in Food Contact Locations

For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, counter tops, refrigerated storage and display equipment and other hard nonporous surfaces. No Potable water rinse is required.

Wash and rinse all articles thoroughly, then apply a solution of 1 oz. FSD 40 in 4 gallons of water. 150 ppm active. Surfaces should remain wet for at least one minute followed by adequate draining and air drying. Fresh solution should be prepared daily or when use solution becomes visibly dirty. For mechanical application, use solution may not be re-used for sanitizing applications.

Apply to sink tops, countertops, refrigerated storage and display equipment and other stationary hard nonporous surfaces by cloth or brush. No Potable water rinse is required.

Dishes, silverware, glasses, cooking utensils and other similar size food processing equipment can be sanitized by immersion in a 1 oz. 4 gallon solution of FSD 40. No Potable water rinse is required.

At 1 oz. 4 gallons, FSD 40 fulfills the criteria of Appendix F of the Grade "A" Pasteurized Milk Ordinance 1978. Recommendations of the U.S. Public Health Services in waters up to 1000 ppm of hardness, calculated as CaCO₃, when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against *Escherichia coli* and *Staphylococcus aureus*.

The udders, flanks, and teats of dairy cows can be sanitized by washing with a solution of 1 oz. FSD 40 in 4 gallons of warm water. No Potable water rinse is required.

Use a fresh towel for each cow. Avoid contamination of sanitizing solution by dirt and soil. Do not dip used towels back into sanitizing solution. When solution becomes visibly dirty, discard and provide fresh solution.



Keep bungs tight to permit stacking of containers. Do not transfer contents to an unmarked container. Do not pressurize container to empty. Rinse empty container thoroughly with water before discarding or removing this label.

CORROSIVE LIQUID, NOS