

DuBOIS CHEMICALS GENERAL OFFICES: CINCINNATI, OHIO • U.S.A.



DIVISION OF CHEMED CORPORATION

—SOLELY FOR INDUSTRIAL USE—

F
QUATEF

ACTIVE INGREDIENTS:

n-alkyl (60% C₁₄, 30% C₁₆, 5%
dimenthyl benzyl ammonium
n-alkyl (68% C₁₂, 32% C₁₄) di-
benzyl ammonium chlorides
Sodium carbonate

INERT INGREDIENTS:

Water, alkyl phenol polyglycol
ethylene oxide and sodium tr

EPA Registration No. 5736-11-AA

**Refer to FSD-4 Technical Data
specific surfaces.**

For cleaning, sanitizing and deor
food plants use 1 liquid ounce p
low with a potable water rinse.

For cleaning, sanitizing and de
poultry and egg plants use 4 liq
ppm Quat) followed by a potab
Code F, Sanitizer Cleaner, under
Inspection Program.

For disinfecting, deodorizing an
veterinarian operation use 3 liq
Quat) followed by a potable wat
an effective disinfectant for Sta

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®

PROD. NO. 02145

FSD-4

QUATERNARY GERMICIDAL CLEANER

ACTIVE INGREDIENTS:

n-alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
dimethyl benzyl ammonium chlorides	1.6%
n-alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethyl benzyl ammonium chlorides	1.6%
Sodium carbonate	3.0%

INERT INGREDIENTS:

Water, alkyl phenol polyglycol ether containing 11 moles ethylene oxide and sodium tripolyphosphate	93.8%
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EPA Registration No. 5736-11-AA 100.0%

Refer to FSD-4 Technical Data Sheet for Methods of application for specific surfaces.

For cleaning, sanitizing and deodorizing in restaurants, food service and food plants use 1 liquid ounce per gallon of water (250 ppm Quat). Follow with a potable water rinse.

For cleaning, sanitizing and deodorizing in federally inspected meat, poultry and egg plants use 4 liquid ounces per 5 gallons of water (200 ppm Quat) followed by a potable water rinse. Authorized for use as a Code F, Sanitizer Cleaner, under USDA Consumer and Marketing Service Inspection Program.

For disinfecting, deodorizing and cleaning in hospitals, rest homes, and veterinarian operation use 3 liquid ounces per gallon of water (750 ppm Quat) followed by a potable water rinse. At this concentration, FSD-4 is an effective disinfectant for *Staphylococcus aureus* ATCC #6538, *Sal-*

monella choleraesuis ATCC #10708, *Pseudomonas aeruginosa* ATCC #15442, and *Trichophyton interdigitale*, strain #640.

Do not mix with soap or anionic detergents.

DANGER: CORROSIVE

KEEP OUT OF REACH OF CHILDREN. Causes eye damage and skin irritation. 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:** Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

This product averages 0.5% phosphorus in the form of phosphates which is equal to 0.14 grams per ounce of product.

Rinse empty container thoroughly with water before discarding.

KEEP FROM FREEZING

NET CONTENTS INDICATED ELSEWHERE ON CONTAINER



-4

AL CLEANER

is ATCC #10708, *Pseudomonas aeruginosa* ATCC
phyton interdigitale, strain #640.
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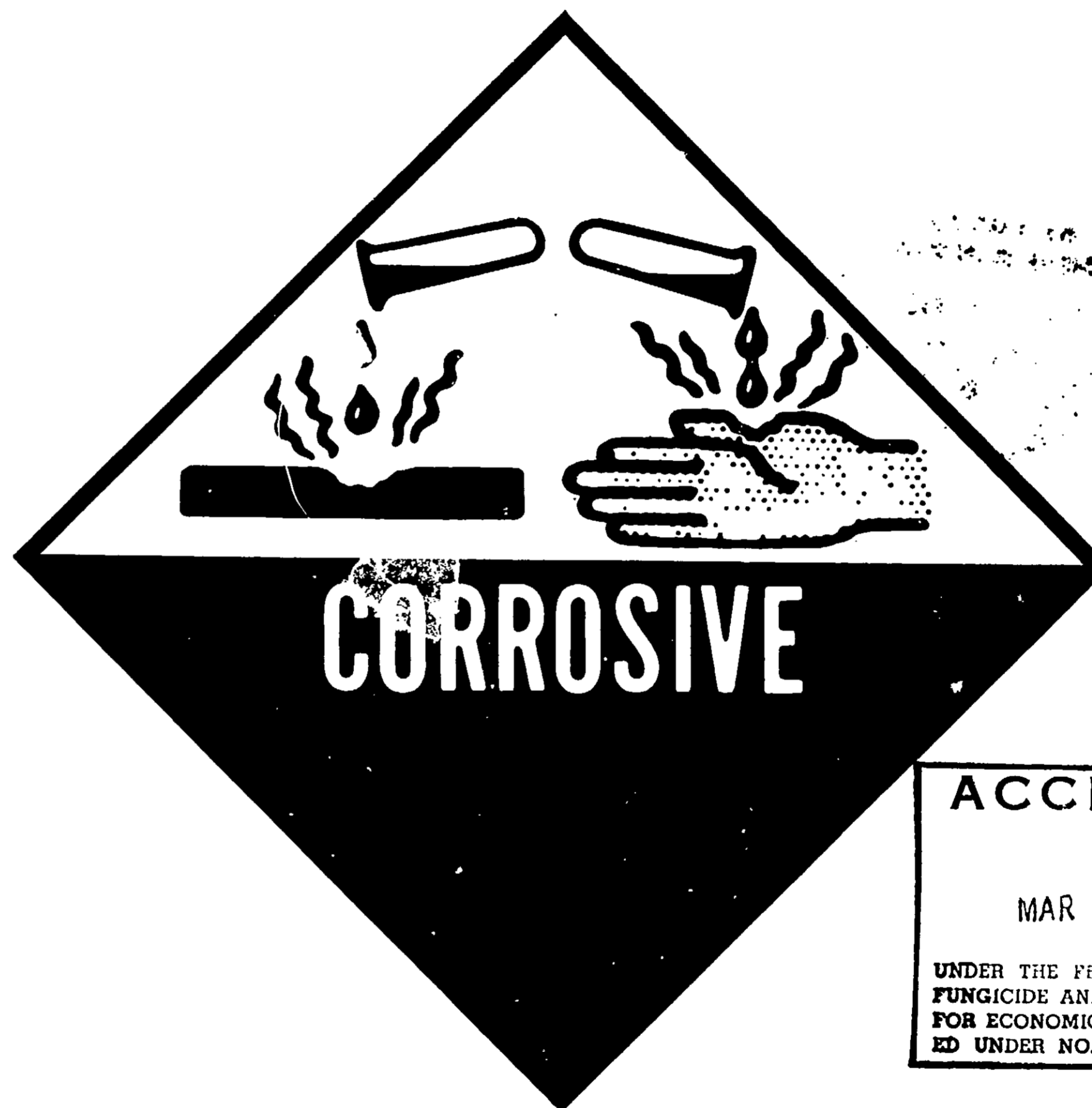
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EP FROM FREEZING

ON CONTAINER



ACCEPTED

MAR 17 1975

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON, REGISTER-
ED UNDER NO. 5936-11

EPA EST. 5736-OH-1 • DL 445 974



LIQUID GERMICIDAL CLEANER FOR SPECIFIC SURFACES

- *Effective against pathogenic bacteria at 3 oz. per gal.*
- *Safe for use on all washable surfaces*
- *Free rinsing for residue free floors*
- *EPA Registration No. 5736-11-AA*
- *Controls odors while it cleans and disinfects*
- *Contains only biodegradable surfactants*



GENERAL OFFICES • DuBOIS TOWER
CINCINNATI, OHIO 45202

Division of Chemed Corporation

1990

SOLELY FOR INSTITUTIONAL USE

QUATERNARY GERMICIDAL CLEANER

3.0%

98.8%

100.0%

**WARNING: KEEP OUT OF REACH OF CHILDREN
SEE ADDITIONAL PRECAUTION STATEMENTS
ON BACK OF CONTAINER**

1. *Journal of the American Medical Association*, 1997; 277: 1033-1037.

QUATERNARY GERMICIDAL CLEANER

- ***Effective against pathogenic bacteria at 3 oz. per gal.***
- ***Safe for use on all washable surfaces***

TECHNICAL DATA FOR **FSD-4**

GENERAL DESCRIPTION

DuBois FSD-4 is a blended quaternary ammonium germicidal detergent effective for sanitizing, deodorizing, and cleaning in one operation in restaurants, in meat, poultry, and food plants. FSD-4 is effective for cleaning, deodorizing and disinfecting in Rest Homes, Hospitals, Gymnasiums, Poultry Hatcheries, and Veterinarian facilities. FSD-4 is practically odorless, and is colorless.

PROPERTIES

pH (1% solution) 10.1
Foam Medium & Stable
Wetting & Emulsification Rapid
Rinsing Excellent
1 liquid oz./gallon of water 250 ppm Quat
3 liquid oz./gallon of water 750 ppm Quat
EPA Registration Number 5736-11-AA

METAL SAFETY

Safe on stainless steel, iron, glass copper, plastic, enamel paints, epoxy paints, vinyl and rubber floor tiles. Avoid prolonged soaking of aluminum, brass and galvanize to avoid tarnishing or change in appearance.

RECOMMENDED USING PROCEDURES

The recommended use dilution of FSD-4 may be applied to thoroughly wet surfaces by soaking, spraying with suitable spray equipment, a clean mop or clean sponge.

Hospitals and Rest Homes:

FSD-4 at 3 ounces per gallon of water (750 ppm Quat) is effective for cleaning and disinfecting hard surfaces in hospitals and nursing homes. It is effective against pathogenic bacteria such as *Staphylococcus aureus*, *Salmonella choleraesuis*, and *Pseudomonas aeruginosa*, and *Trichophyton Interdigitale* fungus and Adeno virus type 4, Herpes simplex WI-38 and Influenza A₂ viruses carried on inanimate environmental surfaces. FSD-4 is recommended for cleaning metal furniture, cabinets, carts, fixtures, storage area, walls, floors, and other hard surfaces in hospitals and nursing homes.

Wash Room Facilities:

To disinfect, deodorize and clean toilet seats, shower stalls, wash stands, tubs, walls, and floors use 3 liquid ounces per gallon of water. Excellent for factory, service station, or other public wash rooms.

Restaurant, Food Service and Food Plants:

For light duty cleaning; use 1 liquid ounce per gallon of water (250 ppm Quat) for cleaning, sanitizing, and deodorizing in one operation. Follow with a potable water rinse.

For heavy duty cleaning; use 2 liquid ounces per gallon of water on all food contact surfaces, counters, tables, chairs and equipment for sanitizing, cleaning, and deodorizing. Follow with a potable water rinse.

Meat, Poultry and Egg Plants:

For cleaning and sanitizing meat and poultry equipment the maximum acceptable usage is 4 liquid

inanimate environmental surfaces. FSD-4 is recommended for cleaning metal furniture, cabinets, carts, fixtures, storage area, walls, floors, and other hard surfaces in hospitals and nursing homes.

Wash Room Facilities:

To disinfect, deodorize and clean toilet seats, shower stalls, wash stands, tubs, walls, and floors use 3 liquid ounces per gallon of water. Excellent for factory, service station, or other public wash rooms.

Restaurant, Food Service and Food Plants:

For light duty cleaning; use 1 liquid ounce per gallon of water (250 ppm Quat) for cleaning, sanitizing, and deodorizing in one operation. Follow with a potable water rinse.

For heavy duty cleaning; use 2 liquid ounces per gallon of water on all food contact surfaces, counters, tables, chairs and equipment for sanitizing, cleaning, and deodorizing. Follow with a potable water rinse.

Meat, Poultry and Egg Plants:

For cleaning and sanitizing meat and poultry equipment the maximum acceptable usage is 4 liquid ounces per 5 gallons of water (200 ppm Quat), followed by a potable water rinse.

Authorized as a Code F, Sanitizer Cleaner, for use under USDA Consumer & Marketing Service Inspection Program for Poultry, Meat, Rabbit and Egg Products Plants.

Poultry Hatcheries, Veterinarian and Animal Cage Operations:

Use 3 ounces per gallon to disinfect, deodorize and clean all types of hatchery cages, trays, racks and miscellaneous equipment used in any type of animal handling equipment. Follow with a potable water rinse.

RINSING

Follow all cleaning with a thorough water rinse, especially food contact surfaces, to remove all soil as well as the last trace of the detergent.

The deodorizing affect is very pronounced in garbage or offal areas where odors are strong and objectionable.

Do not mix with soap or anionic detergents.

PACKAGING

4 - 1 gal. (3.785 liters) bottles per case; 6 gal. (22.7 liters) pails; 55 gal. (208.2 liters).

DANGER: KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Protect eyes and skin 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: Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

Rinse empty container thoroughly with water before discarding.

DuBOIS CHEMICALS, DIVISION OF CHEMED CORPORATION

DuBois Technical Representatives are located throughout the United States, Canada, the United Kingdom, Australia, Africa, Germany, Holland, Italy, Japan, Mexico and Venezuela.

inanimate environmental surfaces. FSD-4 is recommended for cleaning metal furniture, cabinets, carts, fixtures, storage area, walls, floors, and other hard surfaces in hospitals and nursing homes.

Wash Room Facilities:

To disinfect, deodorize and clean toilet seats, shower stalls, wash stands, tubs, walls, and floors use 4 liquid ounces per gallon of water. Excellent for factory, service station, or other public wash rooms.

Restaurant, Food Service and Food Plants:

For light duty cleaning: use 1 liquid ounce per gallon of water (250 ppm Quat) for cleaning and rinsing and deodorizing in one operation. Follow with a potable water rinse.

For heavy duty cleaning: use 2 liquid ounces per gallon of water on all food contact surfaces, counters, tables, chairs, and equipment for continual cleaning, and for removal of dirt with a potable water rinse.

Meat, Poultry and Egg Plants:

For cleaning and sanitizing meat and poultry equipment the maximum acceptable dosage is 4 liquid ounces per 5 gallons of water (200 ppm Quat), followed by a potable water rinse.

Authorized as a Code F, Sanitizer/Cleaner, for use under USDA Consumer & Marketing Service Inspection Program for Poultry, Meat, Rabbit and Egg Products Plants.

Poultry Hatcheries, Veterinarian and Animal Cage Operations:

Use 3 ounces per gallon to disinfect, deodorize and clean all types of hatchery cages, trays, racks and miscellaneous equipment used in any type of animal handling equipment. Follow with a potable water rinse.

RINSING

Follow all cleaning with a thorough water rinse, especially food contact surfaces, to remove all soil as well as the last trace of the detergent.

The deodorizing effect is very pronounced in garbage or oil areas where odors are strong and objectionable.

Do not mix with soap or anionic detergents.

PACKAGING

4 - 1 gal. (3.785 liters) bottles per case; 6 gal. (22.7 liters) pails; 55 gal. (208.2 liters)

DANGER: KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Flush eyes and skin 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 re-dressing.

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 mucous damage may contraindicate the use of ceftriaxone. Measures against circulatory shock, respiratory depression and convulsions may be needed.

Thoroughly empty container thoroughly with water before discarding.

DuBOIS CHEMICALS, DIVISION OF CHEMED CORPORATION

Chemical Division, DuBois Chemicals, Inc., 10000 Highway 100, P.O. Box 100, Houston, Texas 77033
 DuBois Chemicals, Inc., 10000 Highway 100, P.O. Box 100, Houston, Texas 77033

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.