



SULTAN CHEMISTS INC.

SULNYL

17% Concentrate
of Benzalkonium Chloride U.S.P.
Use As Disinfectant
Concentrate Must Be Diluted

ACTIVE INGREDIENTS

n-alkyl (50% C₁₂, 30% C₁₄, 17% C₁₆, 3% C₁₈)
dimethyl benzyl ammonium chloride 17%

INERT INGREDIENTS

Water 83%
Total 100%

DANGER:

Keep out of reach of Children
See first aid statement and additional precautions on back panel.

NET CONTENTS: 16 FL. OZ. (1 PT.)

FOR PROFESSIONAL USE ONLY

Manufactured
by

SULTAN CHEMISTS INC.
7 EAST MOONACHIE ROAD
HACKENSACK, NEW JERSEY 07601

DIRECTIONS

For general disinfection of surgical and dental instruments. Surfaces should be cleaned thoroughly of blood and debris before disinfection. When soap is used for cleansing, rinse with water before using Sulnyl.

For general disinfection after cleaning use one (1) ounce of Sulnyl to one (1) gallon of water. Add rust inhibitor. Immerse instruments for at least ten (10) minutes. Rinse well with sterile water.

DIRECTIONS

FOR DILUTION: To prepare 1 gal:
Aqueous Solution 1:750

Sulnyl 1 fl. oz.
Distilled Water 127 fl. oz.

Tincture 1:750

Sulnyl 1 fl. oz.
Alcohol, USP 64 fl. oz.
Distilled Water 63 fl. oz.

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.

CONTAINER DISPOSAL: Do not reuse empty container. Rinse empty container thoroughly with water before discarding.

EPA REG. NO. 18184-3

ACCEPTED

ACCEPTED WITH COMMENTS

**SANITIZATION OF EATING UTENSILS
AND FOOD HANDLING EQUIPMENT**

Clean dishes, silverware, cooking utensils and food handling equipment with a suitable detergent and rinse to remove food soils. Then immerse in a solution containing 1 ounce of SYN-QUAT in 4 gallons of water and let air dry. Do not towel dry. It is *not* necessary to rinse sanitized articles with potable water before reuse.

SANITIZATION OF FOOD PROCESSING EQUIPMENT

To sanitize beverage and food processing or handling equipment, first clean thoroughly and rinse to remove soils. Then brush or sponge equipment with a solution containing 1 ounce of SYN-QUAT in 4 gallons of water. This solution should be circulated through transfer lines, blending vessels and filling equipment to thoroughly sanitize all areas that contact food. Allow equipment to drain dry before reuse.

SANITIZATION OF DAIRY EQUIPMENT

After milking, rinse equipment with potable warm water. Then wash equipment thoroughly with a suitable detergent and rinse with potable water to remove all soil and milk solids. Sanitize by sponging or brushing equipment with a solution containing 1 ounce of SYN-QUAT in 4 gallons of water. Freshly prepared sanitizing solutions should be circulated through milking machines, transfer lines and bulk holding equipment to assure thorough sanitization of those surfaces that contact milk. Allow equipment to drain dry after sanitization. It is *not* necessary to rinse sanitized equipment with potable water before reuse.

For udder and flank washing, prepare a solution containing 1 ounce of SYN-QUAT in 4 gallons of warm water. Wash udder and flanks, using a fresh towel or sponge for each cow. Avoid contamination of sanitizing solutions with dirt or soil. Be certain the area to be treated is thoroughly wetted with the sanitizing solution.

This product fulfills the criteria of Appendix F, of the Grade "A" Pasteurized Milk Ordinance, 1965 Recommendations of the U.S. Public Health Service in waters up to 550ppm (32 grams per gallon) of hardness calculated as CaCO₃ when tested by the A.O.A.C. Germicidal and Detergent Sanitizers Official Method.

DANGER

KEEP OUT OF REACH OF CHILDREN. Corrosive, causes eye damage and severe skin irritation. Do not get in eyes, on skin or 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

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.

SYN-QUAT

**DISINFECTANT - SANITIZER - DEODORIZER
CONCENTRATE**

ACTIVE INGREDIENTS

n-Alkyl (50%C₁₄, 40%C₁₂, 10%C₁₆) dimethyl benzyl ammonium chloride . . . 10.0%
ethanol 2.0%

INERT INGREDIENTS 88.0%

EPA Reg. No. 18305-4

DANGER

KEEP OUT OF REACH OF CHILDREN

(See side panel for first aid statement and other precautions)
Rinse empty container thoroughly with fresh water and discard it.

MANUFACTURED BY

**SYNDET PRODUCTS INC.
P.O. Box 1425
Manchester, Conn. 06040**

NET CONTENTS 1 GALLON

ACCEPTED
MAY 10 1971

GENERAL

To disinfect homes, schools, a solution must be used. The solution with the gram...

HOSPITAL

To disinfect laboratories containing...

Surgical disinfectant for 10 minutes. This disinfectant kills *coccus aureus* and *monas aeruginosa*.

BARBER

Thoroughly soak instruments for 10 minutes. Use metal instruments.

POULTRY

Poultry brooding cleaning with 1 gallon of disinfectant that will disinfect. Hatching disinfectant per 2 gallons.

PET ANIMALS

To disinfect cages of SYN-QUAT disinfectant.

SYN-QUAT

**DISINFECTANT - SANITIZER - DEODORIZER
CONCENTRATE**

ACTIVE INGREDIENTS

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DANGER

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Rinse empty container thoroughly with fresh water and discard it.

MANUFACTURED BY

**SYNDET PRODUCTS INC.
P.O. Box 1425
Manchester, Conn. 06040**

NET CONTENTS 1 GALLON

GENERAL PURPOSE DISINFECTION

To disinfect walls, floors and other hard surfaces that will not contact food products in homes, schools, rest rooms and other public places, mop or sponge surface to be treated with a solution containing 1 ounce of SYN-QUAT in 2 gallons of water. Surfaces that are soiled must be thoroughly cleaned and rinsed free of soil before disinfection. This disinfectant solution will effectively destroy the gram positive microorganism, *Staphylococcus aureus* and the gram negative microorganism, *Salmonella choleraesuis*.

HOSPITAL DISINFECTION

To disinfect walls, floors, furnishings and other hard surfaces in hospitals, nursing homes, laboratories and other medical environments, mop or sponge surface with a solution containing 1 ounce of SYN-QUAT per gallon of water. Surfaces that are soiled must be thoroughly cleaned and rinsed free of soil before disinfection.

Surgical or medical instruments must be thoroughly scrubbed to remove soil and then disinfected by immersion in a solution containing 1 ounce of SYN-QUAT per gallon of water for 10 minutes. One tablespoon of sodium nitrite should be added to each gallon of disinfectant solution to inhibit corrosion of metal instruments.

This disinfectant solution will effectively destroy the gram positive microorganism *Staphylococcus aureus*, and the gram negative microorganisms *Salmonella choleraesuis*, and *Pseudomonas aeruginosa*.

BARBER AND BEAUTY PARLOR EQUIPMENT DISINFECTION

Thoroughly clean brushes, combs, razors and shears and rinse free of soil before disinfection. Soak instruments in a solution containing 1 ounce of SYN-QUAT per gallon of water for 10 minutes. Use 1 tablespoon of sodium nitrite per gallon of solution to prevent corrosion of metal instruments.

POULTRY EQUIPMENT DISINFECTION

Poultry brooders, watering founts and feeding equipment may be disinfected after thorough cleaning by sponging or brushing with a solution containing 1 ounce of SYN-QUAT in 2 gallons of water. Small utensils should be immersed in this solution. NOTE: All equipment that will contact food or drinking water must be rinsed with water of drinking quality after disinfection and before reuse.

Hatching eggs may be disinfected by dipping in a solution containing 1 ounce of SYN-QUAT per 2 gallons of water. Do not use this product on eggs intended for human consumption.

PET ANIMAL QUARTERS DISINFECTION

To disinfect and deodorize pet animal quarters mop or sponge a solution containing 1 ounce of SYN-QUAT in 2 gallons of water to cleaned floors and walls. Feeding equipment disinfected with this solution should be rinsed with water of drinking quality before reuse.

VARIQUAT[®] LC80

EPA REG. NO.
18533-1

QUATERNARY AMMONIUM ALGICIDE
FOR FORMULATING ALGICIDES FOR USE IN SWIMMING POOLS

ACTIVE INGREDIENTS:

Alkyl (61%C12, 23%C14, 11%C16, 3%C10, 2%C18)
dimethyl benzyl ammonium chlorides ----- 80.0%

INERT INGREDIENTS: -----

20.0%

Total ----- 100.0%

DIRECTIONS: See Technical Bulletin for suggested uses.

This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Keep out of lakes, streams, or ponds.

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place.

See other precautions and First Aid.

DANGER: KEEP OUT OF REACH OF CHILDREN.

Corrosive. 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 re-use.

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.

FOR FORMULATING USE ONLY

55
GAL.
NET

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTER-
ED UNDER NO. 18533-1 SUBJECT
TO ATTACHED COMMENTS.

TYPICAL PROPERTIES

Form	Colorless viscous liquid
pH	Neutral
Specific Gravity 25°C	0.94- 7.8 lb/gal
Composition	
Active Ingredients	
Alkyl (61% C ₁₂ , 23% C ₁₄ , 11% C ₁₆ , 3% C ₁₀ , 2% C ₁₈) dimethylbenzyl ammonium chloride	80.0%
Inert Ingredients	20.0%

Suitable concentrate for retail sale could contain 10% active quaternary, and would be made by mixing 1 part (by weight) VARIQUAT LC80 with 7 parts (by weight) of water. A specimen label for such a formulated product is included in this data sheet.

The following addition pattern is recommended when using a formulated swimming pool algicide containing 10% active quaternary.

If pool is clear initially, add one gallon of 10% active quaternary solution for each 50,000 gallons of water. This corresponds to a level of 2 ppm active quaternary in the pool. Thereafter, maintain this level by adding one quart of 10% active product every 3 to 5 days.

If algae are visible at the start, add 4 gallons of 10% active product for each 50,000 gallons of water. Allow algae to agglomerate, then clean out the pool. After cleaning, proceed as if the pool were clear initially, as described above.

All formulated algicidal products must carry an EPA Registration Number on labels when sold in interstate commerce. This is obtained from the Environmental Protection Agency, Pesticides Office, Washington, D.C. 20250. Test data are required for registration.

grows when handling. Harmful if skin is swallowed. Avoid con-
tamination 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, promptly drink 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.

This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Keep out of lakes, streams, or ponds.

CODE: 5645-2700

ACCEPTED
JUL 24, 1973
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTER-
ED UNDER NO. 18533-1 SUBJECT
TO ATTACHED COMMENTS.