



**SANITIZING OF FOOD PROCESSING EQUIPMENT AND OTHER HARD SURFACES IN FOOD CONTACT LOCATIONS.** For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard non-porous surfaces. **No Potable water rinse is required.**

Wash and rinse all articles thoroughly, then apply a solution of 1 oz. Syn-Cide Plus in 4 gallons of water (150ppm 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 dirty. For mechanical application, use solution may not be reused for sanitizing applications.

Apply to sink tops, countertops, refrigerated storage and display equipment and other stationary hard surfaces by cloth or brush or mechanical spray device. **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 Syn-Cide Plus. **No Potable water rinse is required.**

At 1 oz/4 gallons Syn-Cide Plus fulfills the criteria of Appendix F of the Grade "A" Pasteurized Milk Ordinances 1978 Recommendations of the U.S. Public Health Services in waters up to 800 ppm of hardness calculated as  $\text{CaCO}_3$  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. Syn-Cide Plus 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 towel back into sanitizing solution. When solution becomes visibly dirty, discard and provide fresh solution.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### 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 this product. Harmful if swallowed. Do not breathe spray mist. 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 OR RINSATE 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

#### GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES SUCH AS LIMITED OPEN BURNING (1281)

PRODUCT MADE IN U.S.A.

# SYN-CIDE® PLUS

DISINFECTANT-SANITIZER FUNGICIDE-DEODORIZER  
WITH ORGANIC SOIL TOLERANCE FOR HOSPITAL,  
INSTITUTIONAL, INDUSTRIAL, SCHOOL, DAIRY AND OTHER  
FARM USE

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

#### Active Ingredients

Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride ..... 3.000%  
Octyl decyl dimethyl ammonium chloride ..... 2.250%  
Didecyl dimethyl ammonium chloride ..... 1.125%  
Dioctyl dimethyl ammonium chloride ..... 1.125%

#### Inert Ingredients

Under the FIFRA  
Fungicide, and Disinfectant  
as amended, for the use as  
registered under EPA Reg. No. 10445-MO-01  
10445-54  
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, respiratory depression, and convulsion may be needed.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

#### NOT FOR HOME USE.

**ONLY FOR SALE TO, USE, AND STORAGE BY MAINTENANCE PERSONNEL.**

EPA Registration No. 10445-54

EPA Establishment No. 10445-MO-01

**NET CONTENTS: 6 BOTTLES, 1 U.S. GALLON EACH (6 X 3.785 LITERS)**

MANUFACTURED BY  
**CALGON CORPORATION • CALGON COMMERCIAL DIVISION**  
7501 PAGE AVENUE • ST. LOUIS, MISSOURI 63166

It is a violation

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**EGG SANITIZER**  
oz of Syn-Cide  
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EA **11-230**

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Octyl decyl dimethyl ammonium chloride ..... 2.250%  
Didecyl dimethyl ammonium chloride ..... 1.125%  
Dioctyl dimethyl ammonium chloride ..... 1.125%

## Inert Ingredients

Fungicide, as amended, registered under EPA Reg. No. 100.000%

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## DIRECTIONS FOR USE GENERAL CLASSIFICATION

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

Apply Syn-Cide Plus with a cloth, mop or mechanical spray device. When applied with a mechanical spray device, surface 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 non-porous surfaces.

Add 3.5 oz. Syn-Cide Plus to 4.5 gallons water. Apply to previously cleaned hard surfaces. At this use level, Syn-Cide Plus is effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis* in the presence of 5% blood serum when evaluated by the AOAC Use-Dilution test.

**DISINFECTION IN INSTITUTIONS, INDUSTRY AND SCHOOLS:** Add 2 oz. of Syn-Cide Plus to 4.5 gallons of water. At 0.5 oz. to 2.25 gallons of water use level, the fungicidal effectiveness of Syn-Cide Plus in the presence of 5% blood serum against *Trichophyton mentagrophytes* has been shown utilizing the AOAC fungicidal test.

**DISINFECTION OF BARBER TOOLS:** Precleaned barber tools (such as combs, brushes, razors, and scissors) can be disinfected by immersing in a 0.5 oz./gallon solution of Syn-Cide Plus.

**DISINFECTION OF POULTRY EQUIPMENT, ANIMAL QUARTERS AND KENNELS:** Poultry brooders, watering fountains, 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. Syn-Cide Plus to 4.5 gallons of water. Small utensils should be immersed in this solution.

Prior 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.

**EGG SANITIZING:** After washing eggs, spray rinse eggs with a warm potable water solution containing 1 oz. of Syn-Cide Plus per 4 gallons of water. Rinse temperature should be slightly higher than wash temperature. If eggs are to be immediately broken, a potable water rinse is required after sanitizing. Do not reuse sanitizing solution.

Calgon Corporation  
Calgon Commercial Division  
7501 Page Avenue  
St. Louis, MO 63166

04 NOV 1982

Attention: Edward H. Jones  
Regulatory Specialist

Gentlemen:

Subject: Syn-cide plus  
RPA Registration No. 10445-54  
Your Application Dated October 14, 1982

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling (label):
  - a. Revise the entire egg sanitizing claim (lower right panel) to read:

SANITIZING SHELL EGGS INTENDED FOR FOOD

To sanitize previously cleaned food-grade eggs in shell egg and egg product processing plants, spray with a solution of 1 ounce(s) of Syn-cide Plus in 4 gallons of warm water (150 ppm quat). The solution should be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs sanitized with this product shall be subjected to a potable water rinse only if they are broken immediately for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be re-used for sanitizing eggs.
2. Make the following revisions to your Technical Data Bulletin before you release the product for shipment bearing the amended labeling.
  - a. Revise the entire egg sanitizing claim (page 2 of Bulletin) to read:

10445-5-0

**SANITIZING SHELL EGGS INTENDED FOR FOOD**

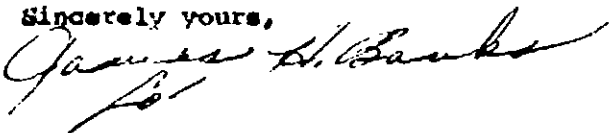
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3. For our files, submit the information and/or literature (Bulletins, brochures) as available on the C-212 d/opper type test kit and C-170 QT test papers as referenced in your Bulletin on page #3.

4. Submit five (5) copies of your final printed labeling (label and Bulletin) before you release the product for shipment.

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,  


John H. Lee  
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosure