



BEATRICE

LIQUID CHLORINATING DISINFECTANT & GERMICIDE

FOR USE IN DAIRIES, FOOD PROCESSING PLANTS, BREWERIES, INSTITUTIONS

Active Ingredients:

Sodium Hypochlorite 10.9%
Inert Ingredients 89.1%

E.P.A. Reg. No. 278-41
E.P.A. Est. No. 278-OH-1

ONE U.S. GALLON

**DANGER: KEEP OUT OF REACH OF CHILDREN.
SEE BACK PANEL FOR REQUIRED PRECAUTIONS.**

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WATER
WATER



BEATRICE

LIQUID CHLORINATING DISINFECTANT & GERMICIDE DILUTION TABLE

200 ppm — Use 1 oz. in 4 gallons of water
100 ppm — Use 1 oz. in 8 gallons of water

DIRECTIONS FOR USE

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

The following are general directions. Consult local Health Authorities for specific uses.

Dairies & Food Processing Plants — After thorough cleaning, disinfect equipment using 1 oz. of this product in 4 gallons of water (200 ppm). Allow contact for 2-5 minutes.

Bottle Chlorination — Use 1 oz. per 16 gallons water (50 ppm) prior to filling.

Institutions — Wash equipment thoroughly. Disinfect using 1 oz. of this product in 8 gallons of water (100 ppm). Soak utensils 2-5 minutes.

NOTE This product degrades with age. Use a chlorine test kit and increase dosage as necessary to obtain the required level of available chlorine.

Contact Beatrice Foods Co., P.O. Box 100, New Bremen, Ohio 45868 to receive the Beatrice Booklet, "Additional directions for using Beatrice Liquid Chlorinating Disinfectant Germicide."

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN AND DOMESTIC ANIMALS

DANGER Corrosive. Will cause severe skin and eye irritation or chemical burns to broken skin. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge into lakes, streams, ponds or public waterways unless in accordance with a NPDES permit. For guidance, contact the regional office of the U.S. Environmental Protection Agency.

PHYSICAL AND CHEMICAL HAZARDS

STRONG OXIDIZING AGENT Mix only with water according to label directions. Mixing this product with organic matter (e.g., urine, feces, etc.) or chemicals (e.g., ammonia, acids, detergents, etc.) will release chlorine gas which is irritating to eyes, lungs and mucous membranes.

PRACTICAL TREATMENT (FIRST AID)

IF CONTACT WITH EYES OCCURS Flush with water for at least 15 minutes. Get prompt medical attention.

IF CONTACT WITH SKIN OCCURS Wash with plenty of soap and water.

IF SWALLOWED Drink large quantities of milk or gelatin solution. If these are not available, drink large quantities of water. **DO NOT** give vinegar or other acids. **DO NOT** induce vomiting. Get prompt medical attention.

STORAGE AND DISPOSAL

Store this product in a cool, dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or residues that cannot be used should be diluted with water before discharge in a sanitary sewer. Do not reuse container but place in trash collection. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

Manufactured by,
Miami Products & Chemical Co.
Dayton, Ohio 45403

Name of Manufacturing Firm = Miami Products & Chemical Co.
P. O. Box 486
Dayton, Ohio 45401

ADDITIONAL DIRECTIONS FOR USE

BEATRICE LIQUID CHLORINATING DISINFECTANT & GERMICIDE

EPA-REGISTRATION #278-41

ACTIVE INGREDIENTS:

Sodium Hypochlorite..... 10.9%
Inert Ingredients..... 89.1%

KEEP OUT OF REACH OF CHILDREN

DANGER!

See principal label for complete precautionary information
and storage and handling instructions.

INDEX OF USES:

- 1.) EGG SHELL SANITIZER
- 2.) HAND SANITIZING
- 3.) POTABLE WATER SYSTEM SANITIZING
- 4.) EQUIPMENT AND UTENSILS (HARD, NON-POROUS
FOOD CONTACT SURFACES) WITHOUT A RINSE
WITH POTABLE WATER.
- 5.) WASHING FRUITS AND VEGETABLES
- 6.) LAUNDRY BLEACHING

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Date of Application = June 1, 1984

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Name of Product = Beatrice Liquid Chlorinating Disinfectant
& Germicide

E.P.A. Registration Number = 278-41

Name of Manufacturing Firm = Miami Products & Chemical Co.
P. O. Box 486
Dayton, Ohio 45401

Directions for using Beatrice Liquid Chlorinating Disinfectant
& Germicide as an egg shell sanitizer:

Wash eggs properly after gathering. Water with an iron content in excess of 2 ppm shall not be used unless equipment capable of removing the excess iron is installed in the water system. The wash water temperature is to be 90°F or higher. Maintain the wash water at a temperature which is at least 20° warmer than the temperature of the eggs to be washed. Spray rinse the washed eggs with potable water containing at least 100 ppm but not more than 200 ppm of chlorine as provided by Beatrice Liquid Chlorinating Disinfectant & Germicide. Use an approved test set to determine proper chlorine residual.

Dilution Table

200 ppm = 1 oz in 4 gallons of water
100 ppm = 1 oz in 8 gallons of water

Directions for using Beatrice Liquid Chlorinating Disinfectant
& Germicide for sanitizing hands:

The hands must be washed and thoroughly rinsed prior to sanitizing with Beatrice Liquid Chlorinating Disinfectant & Germicide. The sanitizing solution must contain at least 50 ppm chlorine as indicated by an approved test set. Beatrice Liquid Chlorinating Disinfectant & Germicide may be injected directly into the wash and rinse water. The hands need not be rinsed with potable water following use with Beatrice Liquid Chlorinating Disinfectant & Germicide.

Dilution Table

50 ppm = 1 oz in 16 gallons of water

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Name of Product = Beatrice Liquid Chlorinating Disinfectant &
Germicide

E.P.A. Registration Number = 278-41

Name of Manufacturing Firm = Miami Products & Chemical Co.
P.O. Box 486
Dayton, Ohio 45401

Directions for using Beatrice Liquid Chlorinating Disinfectant
& germicide in potable water systems:

Beatrice Liquid Chlorinating Disinfectant & Germicide may be used as a chlorine source in potable water systems. Chlorine may be present in process water of meat plants at concentrations of up to 5 ppm calculated as available chlorine. Use an approved test set to determine chlorine residual. Chlorine may be used in process water of poultry plants at levels acceptable to plant management, recognizing the self-limiting factors of effect on product, corrosion of equipment, and acceptability by plant personnel. Plant management must notify the Inspector in charge when the chlorine level is increased above 20 ppm. Chlorine must be dispensed at a constant and uniform level and the method or system must be such that a controlled rate is maintained.

Dilution Table

5 ppm = 1 oz in 160 gallons of water

Directions for using Beatrice Liquid Chlorinating Disinfectant & Germicide as a sanitizer for equipment and utensils (hard, non-porous food contact surfaces) without a rinse with potable water:

All surfaces must be thoroughly cleaned with a proper detergent and rinsed with potable water. Sanitize with a Beatrice Liquid Chlorinating Disinfectant & Germicide solution containing 200 ppm available chlorine as determined by a suitable test set. All surfaces should be exposed to the sanitizing solution for a period of not less than 2 minutes. Such surfaces should be thoroughly drained and any collection of liquid removed there-from before contact with food products is made.

Dilution Table

200 ppm = 1 oz in 4 gallons of water

5
2 to 5

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Directions for using Beatrice Liquid Chlorinating Disinfectant
& Germicide in washing fruits and vegetables:

Beatrice Liquid Chlorinating Disinfectant & Germicide may
be used in washing fruits and vegetables. It should be added
to the wash water so chlorine may be present at a concentration
of 25 ppm as determined by a suitable test set. A constant
feed device should be used so uniform chlorine content can be
assured.

Dilution Table

25 ppm = 1 oz in 32 gallons of water

Directions for using Beatrice Liquid Chlorinating Disinfectant
& Germicide as a sanitizer in laundry:

Wet fabrics on clothes should be spun dry prior to
sanitization. Thoroughly mix 1 ounce of Beatrice Liquid
Chlorinating Disinfectant & Germicide with 4 gallons of
water to yield 200 ppm available chlorine. Promptly after
mixing the sanitizer, add the solution into the pre-wash
prior to washing fabrics/clothes in the regular wash cycle
with a good detergent. Test the level of available chlorine,
if solution has been allowed to stand. Add more Beatrice
Liquid Chlorinating Disinfectant & Germicide if the available
chlorine level has dropped below 200 ppm.

Dilution Table

200 ppm = 1 oz in 4 gallons of water

5 to 2