

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PM 32
7350-1
Pg. 1 of 2

MAR 14 1990

Chaska Chemical Company, Inc.
12502 Xenwood Ave, So.
Savage, Mn. 55378

Attn: Richard C. Anderson

Subject: Product Name: Clor-12
EPA Reg. No.: 7350-1
Amendment of: January 3, 1990

The labeling referred to above, clarification of directions for use on food contact surfaces, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act has been reviewed and is acceptable. However, the FIRST AID statement should be revised to comply with current EPA standards.

- In the FIRST AID section of your label, change the "If swallowed" sentence to read: "If swallowed drink large quantities of water," deleting "... large quantities of milk or gelatin solution or if these are not available ...".
- Delete "General Classification" from the "Directions For Use" heading on the label.

Submit five copies of the finished printed label which reflects these changes.

If you should have any questions concerning this letter you may call Robert Trvaglini on (703) 557-6909.

Sincerely,



Walter C. Francis
Acting Product Manager (32)
Antimicrobial Program Branch
Registration Division (87504C)

SYMBOL							
SURNAME							
DATE							

ACCEPTED
with COMMENTS
7-22-84, Letter Detail

MAR 14 1980

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the year 1979
registered under EPA F.

73501

CLOR-12

CLEANS - DISINFECTS - DEODORIZES - BLEACHES

ACTIVE INGREDIENTS
Sodium Hypochlorite..... 5.25%
INERT INGREDIENTS..... 94.75%

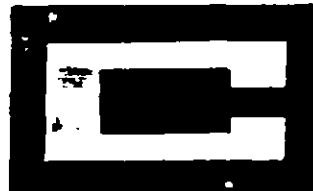
KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID: If on skin, wash with plenty of soap and water. If in eyes, flush with water for at least 15 minutes. Get medical attention. If swallowed, drink large quantities of milk, or gelatin solution or, 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.

See additional precautions on side panels.

FOR INDUSTRIAL USE ONLY

EPA REGISTRATION NO. 7350-1 EPA EST. NO. 7350 MN-1



CHASKA CHEMICAL
COMPANY, INC.

12502 Xenwood Ave. So., Savage, MN 55378
(612) 890-1820

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER: Corrosive. May cause severe skin irritation or chemical burns to broken skin. Causes eye damage. 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. Wash safety glasses as soon as possible. Do not return until eyes have cleared.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Keep out of lakes, streams or ponds. Treated effluent may not be discharged into lakes, streams, ponds or public waters without a valid discharge permit. For guidance, contact the regional office of the Environmental Protection Agency.

PHYSICAL AND CHEMICAL HAZARDS: STRONG OXIDIZING AGENT: Mix only with water according to label directions. Mixing this product with acids such as formic, acetic, etc., or with ammonia, nitric, phosphoric or other acids may cause extremely toxic fumes which may be fatal.

STORAGE AND DISPOSAL

Store in a cool, dry area away from direct sunlight. In case of spill, flood area with large quantities of water. Rinse empty container thoroughly with water and either return to manufacturer or discard by placing in trash collection or burying in an approved landfill. Product or residue that cannot be used, should be diluted with water and disposed of in a sanitary sewer. Do not contaminate food, or feed by storage, disposal or cleaning of equipment.

CLOR-12 TABLE OF PROPORTIONS AVAILABLE CHLORINE:

100 P.P.M. - Use 1 oz. to 4 gallons water. 250 P.P.M. - Use 1 oz. to 2 gallons of water

DANGER

DO NOT SOAK OVERNITE. KEEP IN COOL, DARK PLACE AS LIGHT AND HEAT WILL REDUCE STRENGTH. **DANGER: HARMFUL IF SWALLOWED.**
DANGER: DO NOT USE WITH OTHER CHEMICALS SUCH AS AMMONIA OR ACIDS.

DIRECTIONS FOR USE GENERAL CLASSIFICATION

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

SANITIZATION OF NONPOROUS FOOD CONTACT SURFACES

RINSE METHOD - A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below 50 ppm. Prepare a 100 ppm sanitizing solution by thoroughly mixing 2.5 oz. of the product with 10 gallons of water. If no test kit is available, prepare a sanitizing solution by thoroughly mixing 5 oz. of this product with 10 gallons of water to provide approximately 200 ppm available chlorine by weight.

Clean equipment surfaces in the normal manner. Prior to use, rinse all surfaces thoroughly with the sanitizing solution, maintaining contact with the sanitizer for at least 2 minutes. If solution contains less than 50 ppm available chlorine, as determined by a suitable test kit, either discard the solution or add sanitizer product to reestablish a 200 ppm residual. Do not rinse equipment with water after treatment and do not rinse equipment overnight.

Sanitizers used in automated systems may be used for general cleaning but may not be re-used for sanitizing purposes.

WASH METHOD - A solution of 100 ppm available chlorine may be used in the sanitizing solution if a chlorine test kit is available. Solutions containing an initial concentration of 100 ppm available chlorine must be tested and adjusted periodically to insure that the available chlorine does not drop below 50 ppm. Prepare

A 100 ppm sanitizing solution by thoroughly rinsing with water to provide approximately 200 ppm Chlorine equipment in the normal manner. Wash, 2 minutes and allow the sanitizer to be determined by a suitable test kit, either 200 ppm residual. Do not rinse equipment with water after treatment and do not rinse equipment overnight.

FLOW-THROUGH METHOD - Connect the sanitizing system prior to use. Prepare a 110% of volume capacity of the system of sanitizing solution through the system. Rinse with the sanitizer and all of pressure for at least 2 minutes to leave from drain valve and test with a chlorine test kit to insure 200 ppm available chlorine.

CLEAN-IN-PLACE METHOD - Thoroughly clean sanitizing solution equal to 110% of volume of the system with 10 gallons of water. Rinse with water. The system is completely clean drain valves and hold under pressure for 2 minutes. Remove the cleaning solution by backwashing process if difficult to clean.

SPRAYING METHOD - Pre-rinse all surfaces with water. Make or buy a 600 ppm solution of sufficient size by thoroughly mixing. Prepare a 600 ppm solution by thoroughly mixing. Use spray or fogging equipment or spraying equipment with portable water tank and nozzle to spray. Vacuum area for a 600 ppm solution with a 200 ppm residual.

DIRECTIONS FOR USE AS A VEGETABLE SANITIZER - Mix 1.1 to 1.4 oz. of Chlorine. Apply through a spray bar to the vegetable for 3 minutes. Rinse vegetable thoroughly with water.

DIRECTIONS FOR USE AS A HAND SANITIZER - Apply CLOR-12 through a spray bar to the hands at the rate of 1/2 to 1 oz. per 2 gallons of water.

DIRECTIONS FOR USE AS A POTABLE WATER SANITIZER - Mix 1.1 to 1.4 oz. of Chlorine. Apply through a spray bar to the water at the rate of 1/2 to 1 oz. per 2 gallons of water.

NOTE: This product degrades with age. Use the required level of available chlorine.

NET CONTENTS _____

BEST AVAILABLE COPY