



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

Form Approved OMB No. 2070-0060 Approval expires 2-28-95

Registration  
 Amendment  
 Other

OPP Identifier Number  
**222054**

**Application for Pesticide - Section I**

|  |  |  |
|--|--|--|
| 1. Company/Product Number<br>7870-1  | 2. EPA Product Manager<br>R. Douglas   | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Azone   | PM#<br>32  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Hawkins Chemical, Inc.<br>3100 East Hennepin Avenue<br>Minneapolis, MN 55413<br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |  |

**Section - II**

|  |  |
|--|--|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.   |
| <input checked="" type="checkbox"/> Notification - Explain below.              | <input type="checkbox"/> Other - Explain below.  |

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Amendment of Effluent Discharge Labeling Statement per PR Notice 93-10

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**Section - III**

|   |   |   |  |
|---|---|---|--|
| 1. Material Form Product Packaged In:   |   | 2. Type of Container  |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No  | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No  | <input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |
| * Certification must be submitted   |   | If "Yes" Unit Packaging wgt. No. per container  | If "Yes" Package wgt. No. per container  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container  | 4. Size(s) Retail Container   | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |   | <input type="checkbox"/> Other _____  |  |

**Section - IV**

|   |                    |   |
|---|--------------------|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) |                    |   |
| Name<br>Jacqueline A. Hogue   | Title<br>Agent     | Telephone No. (Include Area Code)<br>(540) 783-6228 |
| 2. Signature<br><i>Jacqueline A. Hogue</i>  |                    | 6. Date Application Received<br><br>(Stamped)       |
| 3. Title<br>Vice President  |                    |   |
| 4. Typed Name<br>Jon C. Eaton   | 5. Date<br>9/25/95 |   |

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Corrosive, may cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible after use until all strong odors have dissipated.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the U.S. Environmental Protection Agency.

**PHYSICAL OR CHEMICAL HAZARDS**

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

**STORAGE AND DISPOSAL**

Store this product in a cool dry area, away from direct sunlight and heat to a maximum of 100°F. In case of spill, flood areas with large quantities of water. Product or rinsates that contact exposed surfaces be diluted with water before disposal in a sanitary sewer. Triple rinse (or equivalent). Then refer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

**DIRECTIONS FOR USE**

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

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

**SANITIZATION OF NONPOROUS FOOD CONTACT SURFACES**

**CLEAN-IN-PLACE METHOD** — Thoroughly clean equipment after use. Prepare a solution of 200 ppm available chlorine sanitizing solution equal to 11 1/2% of volume capacity of the equipment containing the product in a ratio of 3 oz. product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities, the system is completely filled with the solution and all air is removed from the system. Close drain valves and hold under pressure for at least 10 minutes to ensure contact with all internal surfaces. Remove some cleaning solution from drain valves and test with a chlorine test kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50 ppm available chlorine.

**ACTIVE INGREDIENT:**  
Sodium Hypochlorite . . . . .  
**INERT INGREDIENTS:** . . . . .

**KEEP**

IF CONTACT WITH EYES OCCURS . . . . .  
IF CONTACT WITH SKIN OCCURS . . . . .  
IF SWALLOWED, drink large quantity of water . . . . .

Authorized by USDA

3100 East Hennepin  
EPA

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# Hypochlorite Solution

## AZONE

(Reg. U.S. Pat. Off.)

**DISINFECTANT  
GERMICIDE  
SANITIZER  
UN 1791**



INGREDIENTS: Hypochlorite ..... 10.0%  
..... 90.0%

**DANGER**  
**KEEP OUT OF REACH OF CHILDREN**

### STATEMENT OF PRACTICAL TREATMENT (FIRST AID)

**IF IN EYES OCCURS**, flush with water for at least 15 minutes. Get prompt medical attention.  
**IF ON SKIN OCCURS**, wash with plenty of soap and water.  
**IF SWALLOWED**, drink large quantities of water. DO NOT induce vomiting. Call a physician or poison control center immediately.  
(See additional precautions on side panel.)

Authorized by USDA for use in federally inspected meat, poultry, and food of plants.

### HAWKINS CHEMICAL, INC.

10 East Hennepin Avenue • Minneapolis, MN 55413 • 612-331-6910  
EPA Reg. No. 7870-1 EPA Est. 7870-MN-1

**NET CONTENTS: 1 GALLON**

### SANITIZATION OF POROUS FOOD CONTACT SURFACES

**DIRECT METHOD** — Prepare a 600 ppm solution by thoroughly mixing 8 oz. of this product with 10 gallons of water. Clean surfaces in the normal manner. Rinse all surfaces thoroughly with the 600 ppm solution, maintaining contact with the sanitizer for at least 2 minutes. Prepare a 200 ppm sanitizing solution by thoroughly mixing 3 oz. of this product with 10 gallons of water. Prior to using equipment, rinse all surfaces with a 200 ppm available chlorine solution. Do not rinse and do not soak equipment overnight.

### SANITIZATION OF DRINKING WATER (PUBLIC/INDIVIDUAL SYSTEMS)

**PUBLIC SYSTEMS** — Mix a ratio of 1 oz. of this product to 100 gallons of water. Begin feeding this solution with a hypochlorinator until a free available chlorine residual of at least 0.2 ppm and no more than 0.5 ppm is obtained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Interagency Drinking Water Regulations. Contact your local Health Department for further details.

### SWIMMING POOL WATER DISINFECTION

For a new pool or spring start-up, superchlorinate with 54 to 108 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit and maintain pool water pH to between 7.2 to 7.6. Adjust and maintain the alkalinity of the pool to between 50 to 100 ppm.

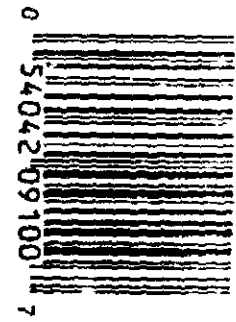
To maintain the pool, add manually or by a feeder device 12 oz. of this product for each 10,000 gallons of water to yield an available chlorine residual between 0.6 to 1.0 ppm by weight. Stabilized pools should maintain a residual of 1.0 to 1.5 ppm available chlorine. Test the pH, available chlorine and total alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend on temperature and number of swimmers.

Every 7 days, or as necessary, superchlorinate the pool with 54 to 108 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not reenter pool until the chlorine residual is between 1.0 and 3.0 ppm.

At the end of the swimming pool season or when water is to be drained from the pool, chlorine must be removed by dilution from treated pool water before discharge. Do not chlorinate the pool within 24 hours prior to discharge.

**WINTERIZATION OF POOLS** — While water is still clear and clean, apply 4 oz. of product per 1000 gallons, while filter is running, to obtain a 3 ppm available chlorine residual, as determined by a suitable test kit. Cover pool, prepare heater, filter and heater components for winter by following manufacturers' instructions.

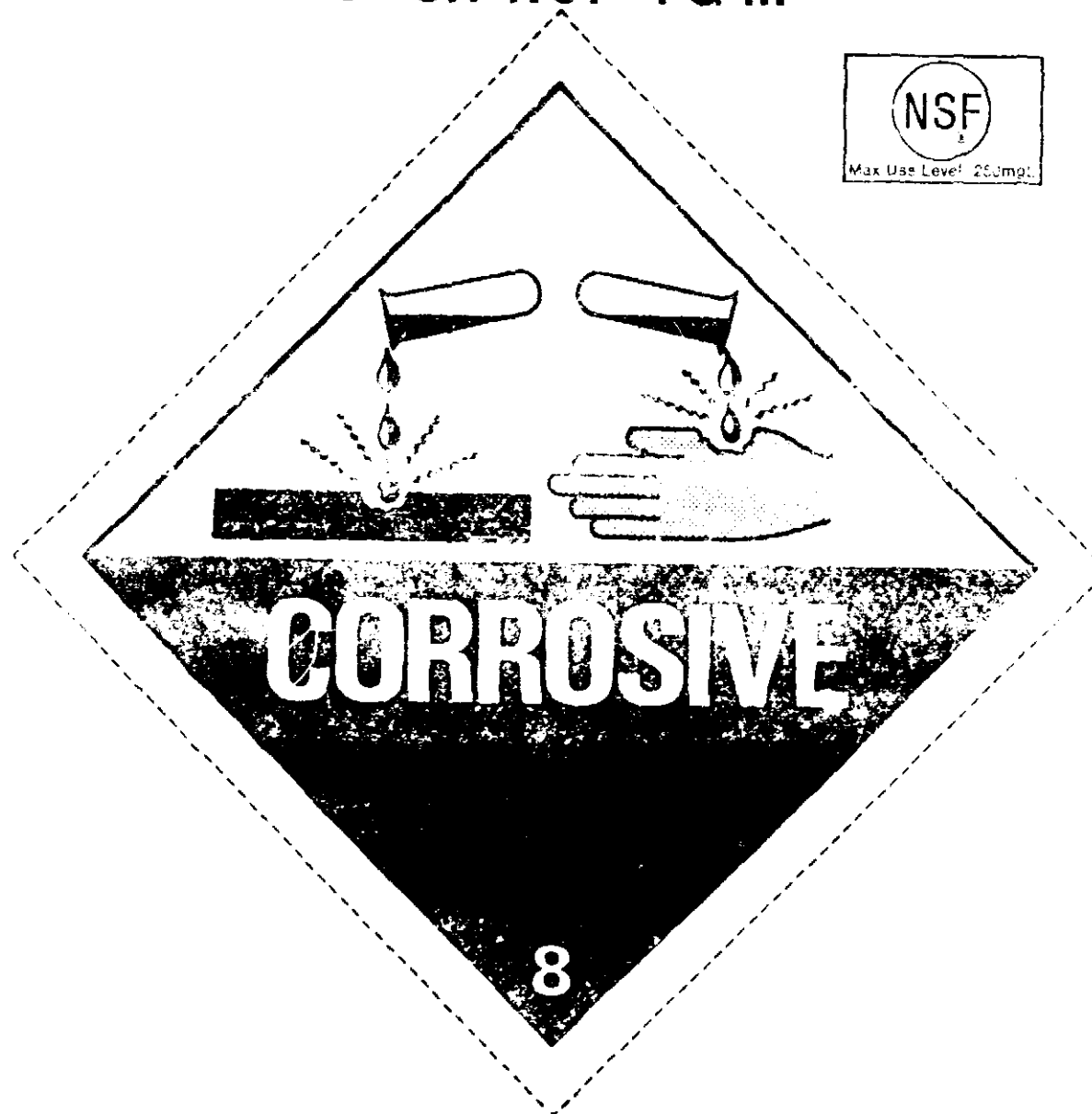
Approved for the following:  
FRUIT AND VEGETABLE WASHING; PROCESSING AND CHILL WATER FOR POULTRY PROCESSING;  
AND FOOD CONTACT SURFACES; SANITIZATION OF POROUS FOOD CONTACT SURFACES; SANITIZATION  
OF DRINKING WATER CONTACT SURFACES; DISINFECTION OF DRINKING WATER (PUBLIC/INDIVIDUAL  
SYSTEMS); COOLER/TOWER/EVAPORATIVE CONDENSER WATER; HAND SANITIZING DIP.  
More information on HAWKINS CHEMICAL and a Product Bulletin will be sent.



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# HYPOCHLORITE SOLUTIONS (SODIUM HYPOCHLORITE)

8 UN 1791 PG III



| HEALTH   | FLAMMABILITY | REACTIVITY | CONTACT  |
|----------|--------------|------------|----------|
| 2        | 0            | 1          | 2        |
| MODERATE | NONE         | SLIGHT     | MODERATE |

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**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Corrosive, may cause severe skin and eye irritation or chemical burns to broken skin. Causes eye damage. Wear safety glasses or goggles 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 strong odors have dissipated.

**ENVIRONMENTAL HAZARDS** This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the U.S. Environmental Protection Agency.

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

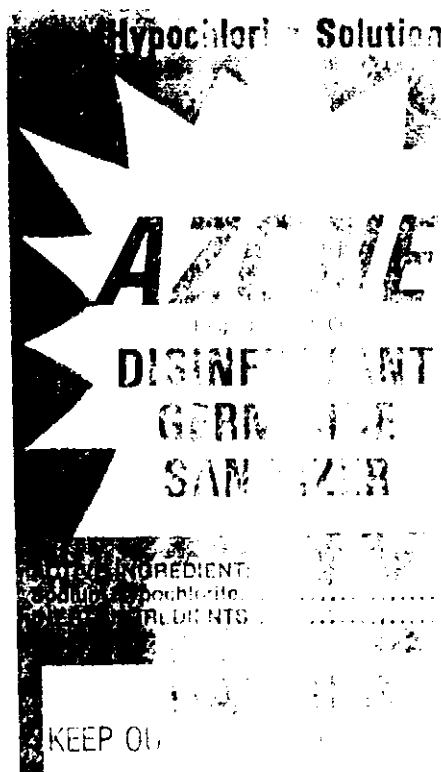
**STORAGE AND DISPOSAL:** Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. In case of spill, flood areas with large quantities of water. Product or residues that cannot be used should be diluted with water before disposal in a sanitary sewer. Triple rinse for equivalents. Then offer for recycling or reconditioning, or practice and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

**DIRECTIONS FOR USE** It is a violation of federal law to use this product in a manner inconsistent with its labeling. Use this product in accordance with the label. Use a chlorine test kit and increase dosage, as necessary to obtain the required level of available chlorine.

**SANITIZATION OF NONPOROUS FOOD CONTACT SURFACES**

**CLEAN-IN-PLACE METHOD**—Thoroughly clean equipment after use. Prepare a volume of 200 ppm available chlorine sanitizing solution equal to 110% of volume capacity of the equipment by mixing the product in a ratio of 3 oz. product with 10 gallons of water. Pump solution through the system until full flow is obtained at all extremities. The system is completely filled with the sanitizer and all air is removed from the system. Close drain valves and hold under pressure for at least 10 minutes to insure contact with all internal surfaces. Remove some cleaning solution from drain valve and test with a chlorine test kit. Repeat entire cleaning/sanitizing process if effluent contains less than 50 ppm available chlorine.

**FOR CHEMICAL EMERGENCY — Spill, Leak, Fire, Exposure or Accident Call CHEMTREC Day or Night 800-424-9300**



**STATEMENT OF HAZARD**  
**IF CONTACT WITH EYE** Flush with water for at least 15 minutes. Get to a hospital.  
**IF CONTACT WITH SKIN** Wash with soap and water.  
**IF SWALLOWED** Do not induce vomiting. Get to a hospital.  
**IF INHALED** Get to a hospital.

**SANITIZATION OF POROUS FOOD CONTACT SURFACES**

**RINSE METHOD**—Prepare a 600 ppm solution by thoroughly mixing 1 oz. of this product with 10 gallons of water. Clean surface in the normal manner. Rinse all surfaces thoroughly with the 600 ppm solution, maintaining contact with the sanitizer for at least 2 minutes. Prepare 200 ppm sanitizing solution by thoroughly mixing 3 oz. of this product with 10 gallons of water. Prior to using equipment, rinse all surfaces with a 200 ppm available chlorine solution. Do not rinse and do not soak equipment overnight.

**DISINFECTION OF DRINKING WATER (PUBLIC/INDIVIDUAL SYSTEMS) PUBLIC SYSTEMS**—Mix a ratio of 1 oz. of this product with 100 gallons of water. Feed sanitizing solution with a hypochlorinator into a free available chlorine residual of at least 0.2 ppm and no more than 0.6 ppm is attained throughout the distribution system. Check water frequently with a chlorine test kit. Bacteriological sampling must be conducted at a frequency no less than that prescribed by the National Interim Primary Drinking Water Regulations. Contact your local health Department for further details.

**SWIMMING POOL WATER DISINFECTION** For a new pool or spa, start up with 10 oz. of this product for each 10,000 gallons of water to yield an available chlorine by weight of 1.0 ppm. Check the level of available chlorine with a test kit. Adjust and maintain pool water pH to between 7.2 and 7.6. Adjust and maintain the alkalinity of the pool to between 80 and 120 ppm.

To maintain the pool, add 1 oz. daily or by a feeder device 12 oz. of product for each 10,000 gallons of water to yield an available chlorine residual between 0.5 to 1.0 ppm by weight. Stabilized pools should maintain a residual chlorine level of 1.0 ppm available chlorine. Test the available chlorine residual and alkalinity of the water frequently with appropriate test kits. Frequency of water treatment will depend on temperature and number of swimmers.

After 7 days of a chlorine residual, superchlorinate the pool with 54 to 60 oz. of product for each 10,000 gallons of water to yield 5 to 10 ppm available chlorine by weight. Check the level of available chlorine with a test kit. Do not allow the available chlorine residual to be between 2.0 and 3.0 ppm.

When getting the water ready to be used when water is to be drawn from the pool, chlorine residual should be 1.0 ppm. Chlorine from treated water before use should be at least 0.5 ppm for 24 hours prior to drinking.

**WINTERING POOLS** Add 1/2 oz. of this product per 10,000 gallons of water to maintain a residual chlorine level of 1.0 ppm. Check the level of available chlorine with a test kit. Do not allow the available chlorine residual to be between 0.5 and 1.0 ppm.

**USE OF THIS PRODUCT ON FISH AND VEGETABLES**—DO NOT USE ON FISH OR VEGETABLES. USE ONLY FOR POULTRY FEEDS AND FLOORS. SANITIZATION/SANITIZATION OF FOOD CONTACT SURFACES. DISINFECTION OF DRINKING WATER. DISINFECTION OF PUBLIC WATER.

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