



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobial Division (7510C)
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20004

EPA Reg. Number:

1258-1250

Date of Issuance:

SEP 29 2003

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Arch 54.6% Calcium Hypochlorite

Name and Address of Registrant (include ZIP Code):

Arch Chemicals, Inc.
501 Merritt 7
Norwalk, CT 06856

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes before you release the product for shipment:

- a. Revise the "EPA Registration Number to read, "EPA Reg. No. 1258-1250".
- b. Align the "Ingredient" Statement to read:

ACTIVE INGREDIENT	
Calcium Hypochlorite.....	54.6%
INERT INGREDIENTS.....	45.4%
TOTAL	100.0%

Available Chlorine 53%

Signature of Approving Official:

Robert S. Brennis, PM 32

Date:

SEP 29 2003

- c. Change "Minimum Available Chlorine" to read "Available Chlorine".
 - d. You must provide a "Hotline Telephone Number" under the First Aid Statement as per PR Notice 2001-1.
 - e. Revise the "Storage and Disposal" statement to read:
 - "Do not contaminate food or feed by storage or disposal or cleaning of equipment" should be reported immediately under the "Storage and Disposal" section. In addition add the language from page 4 of pesticide notice PR 84-1.
 - "Do not reuse empty container" and "Place in trash collection" should be under "Container Disposal", which should be a sub-heading under "Storage and Disposal".
3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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



ARCH 54.6% CALCIUM HYPOCHLORITE

KEEP OUT OF REACH OF CHILDREN (12 pt. type min.)

DANGER (16 pt. type min.)

CONTAMINATION OR IMPROPER USE MAY CAUSE FIRE OR EXPLOSION. DO NOT MIX WITH OTHER CHEMICALS, INCLUDING OTHER POOL CHLORINATING COMPOUNDS.
ADD ONLY INTO WATER.

READ ALL PRECAUTIONARY STATEMENTS ON BACK LABEL AND FIRST AID STATEMENTS BELOW BEFORE USE

ACTIVE INGREDIENT:

CALCIUM HYPOCHLORITE.....	54.6%
OTHER INGREDIENTS	45.4%
TOTAL.....	100%

Minimum Available Chlorine.....53 %

ACCEPTED
with **COMMENTS**
EPA Letter Dated:

SEP 29 2003

Patent Pending

EPA Reg. # 1258- xxxx

EPA Est. # 1258-TN-1

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended for the pesticide,
registered under EPA Reg. No.

1258-1250

FIRST AID:

- If in eyes:**
- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
 - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
 - Call a poison control center or doctor for treatment advice.
- If on skin or clothing:** Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- If Swallowed:**
- Call a poison control center or doctor immediately for treatment advice.
 - Have person sip a glass of water if able to swallow.
 - Do not induce vomiting unless told to do so by a poison control center or doctor.
 - Do not give anything by mouth to an unconscious person.
- If Inhaled:**
- Remove person to fresh air.
 - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
 - Call a poison control center or doctor for further treatment advice.

Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IN CASE OF EMERGENCY CALL: 1-800-654-6911

Arch Chemicals Inc.
501 MERRITT 7
NORWALK, CT. 06856

Net Wt. 2 oz. (57 gm.); 10 oz. (283 gm.); 12 oz. (340 gm.); 14 oz. (397 gm.); 1 Lb. (0.45 KG); 2Lb. (0.91 KG); Net Wt. 5 Lb. (2.27 KG); Net Wt. 15 Lb. (6.8 KG); Net Wt. 23 Lb. (10.4 KG); Net Wt. 55 Lb. (25 KG); Net Wt. 75 Lb. (34.1 KG)

Kills bacteria, Controls Algae, Destroys organic contaminants, No need to predissolve, Routine Chlorinator, Shock Treatment and Superchlorinator for Swimming Pools and Spas, Restores a crystal clarity to pool water, Buffered Sanitizer, Oxidizer, Removes organic waste and produces sparkling clean swimming pool water. For pool startup and weekly shock treatment, for heavy bather loads or after heavy rains, Will not cause over stabilization, Contains no cyanuric acid, Sanitizes pool water, Swimming pool sanitizer, Innovative, Patent pending. Ideal for Vinyl and Concrete Pools; Fast Dissolving; sanitizes spa water; produces sparkling clean spa water; for spa start up and weekly shock treatment; restores crystal clarity to spa water; for use in bromine or chlorine treated spas

READ ALL PRECAUTIONARY STATEMENTS BEFORE USE.

This product is a concentrated chlorinating agent. It is in a dry, free-flowing form. It kills bacteria, controls algae and destroys organic contaminants in pools.

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

METHOD OF APPLICATION:

For 1 lb. (16 oz) bag, use entire bag when opened. For other products, measure only with the clean, dry cup if provided. Do not use the cup for any other purpose. Add the recommended dosages of this product during evening hours while the filter pump is running. When adding this product to your pool, broadcast the product evenly over a wide area in the deepest part of the pool. If any of the granules settle to the bottom of the pool use brush to disperse. Let filter pump run 6 to 8 hours minimum after applying.

ROUTINE CHLORINATION: Throughout the pool season, adjust pH to 7.2 – 7.6 and add 7 to 10 oz. of this product per 10,000 gallons of pool water daily or as often as needed to maintain chlorine residual at 1–4 parts per million (ppm). If you have stabilized your pool using HTH Stabilizer & Conditioner (or similar product) add 4 - 6 oz. per 10,000 gallons every other day or as often as needed to maintain a chlorine residual at 1-4 ppm. Follow "Method of Application".

As a preventative treatment, you should shock treat your pool once a week with HTH [brand] Shock Products to prevent pool problems. In addition to weekly shock treatment, you should shock treat to remedy problems which may occur when bather loads are high, water appears hazy or dull, unpleasant odors or eye irritation occur, after heavy wind and rainstorms, or if algae develops with resulting green color and slimy feeling walls or steps.

POOL SHOCK TREATMENT

Add the recommended dosages of this product while the filter pump is running. See METHOD OF APPLICATION. When adding this product to your pool, broadcast the product evenly over a wide area in the deepest part of the pool.

DOSAGE RATE

Adjust and maintain pH to 7.2 - 7.4 with HTH [brand] pH Plus or HTH [brand] pH Minus. Follow label directions. Add 1 lb. (16 oz.) of this product per 12,000 gallons of water weekly to help prevent pool problems.

Additional shock treatments {1 lb. (16 oz.) per 12,000 gallons of water} may be required to correct problems which are caused by:

* visible algae * high bathing loads * heavy wind and rainstorms

Additional shock treatments will also remove/eliminate

* unpleasant odors * eye irritation

Do not reenter pool until the free available chlorine residual is 1 - 4 ppm.

Shock treat your pool with HTH[brand] shock products when opening, then weekly to prevent pool problems.

ALGAE CONTROL: If the sides or bottom of your pool develop algae spots, direct this product as close to the algae as possible. Follow "Shock Treatment" directions.

Immediately after treatment thoroughly clean pool by brushing surface of algae growth, vacuum and cycle through filter. If necessary, repeat the treatment. Pool should not be entered until the free available chlorine is 1 to 4 ppm.

OPENING YOUR POOL: Follow "Shock Treatment" directions. Allow 30 minutes for product to disperse and test chlorine residual with a pool test kit. Repeat dosage, as needed, until the free available chlorine is 1 to 4 ppm.

WINTERIZING: While the water is still clear and clean, prepare for long periods of disuse by gradually adding 1 lb. of this product per 7,000 gallons of pool water. Follow "Method of Application". Run the filter until completely dissolved. Cover the pool with a pool cover and prepare the heater, pump and filter components for winterizing by following manufacturers directions.

WATER BALANCE:

For best product performance, swimmer comfort and crystal clear water:

* Maintain pH in the 7.2-7.6 range

* Maintain total alkalinity in the 60-100 ppm range

* Maintain calcium hardness above 200 ppm.

* Maintain available chlorine level at 1-4 ppm with the use of your normal sanitizer.

Use a reliable test kit that measures all these ranges. Use the HTH Pool Care products to make adjustments. Follow label directions for each product.

SPA/HOT-TUB TREATMENT

Apply 0.6 oz. of product per 500 gallons of water to obtain a free available chlorine concentration of 5 ppm, as determined by a suitable chlorine test kit. Adjust and

maintain pool water pH to between 7.2 and 7.6. Some oils, lotions, fragrances, cleaners, etc. may cause foaming or cloudy water as well as reduce the efficiency of the product. To maintain the water, apply 0.6 oz. of product per 500 gallons of water over the surface to maintain a chlorine concentration of 5 ppm. Do not enter spa until the free available chlorine is 1-5 ppm.

After each use, shock treat with 1.8 oz. of this product per 500 gallons of water to control odor and algae.

During extended periods of disuse, add 1.8 oz. of product daily per 500 gallons of water to maintain a 3 ppm chlorine concentration.

SEWAGE & WASTEWATER EFFLUENT TREATMENT

The disinfection of sewage effluent must be evaluated by determining the total number of coliform bacteria and/or Fecal coliform bacteria, as determined by the Most Probable Number (MPN) procedure, of the chlorinated effluent has been reduced to or below the maximum permitted by the controlling regulatory jurisdiction.

On the average, satisfactory disinfection of secondary wastewater effluent can be obtained when the chlorine residual is 0.5 ppm after 15 minutes contact. Although the chlorine residual is the critical factor in disinfection, the importance of correlating chlorine residual with bacterial kill must be emphasized. The MPN of the effluent, which is directly related to the water quality standards requirements, should be the final and primary standard and the chlorine residual should be considered an operating standard valid only to the extent verified by the coliform quality of the effluent.

The following are critical factors affecting wastewater disinfection.

1. Mixing: It is imperative that the product and the waste water be instantaneously and completely flash mixed to assure reaction with every chemically active soluble and particulate component of the waste water.
2. Contacting: Upon flash mixing, the flow through the system must be maintained.
3. Dosage/Residual Control: Successful disinfection is extremely dependent on response to fluctuating chlorine demand to maintain a predetermined, desirable chlorine level. Secondary effluent should contain 0.2 to 1.0 ppm chlorine residual after a 15 to 30 minute contact time. A reasonable average of residual chlorine is 0.5 ppm after 15 minutes contact time.

EFFLUENT SLIME CONTROL - Apply a 100 to 1000 ppm available chlorine solution at a location which will allow complete mixing. Prepare this solution by mixing 2.5 to 25 oz. of this product with 100 gallons of water. Once control is evident, apply a 15 ppm available chlorine solution. Prepare this solution by mixing 0.38 oz. of this product with 100 gallons of water.

STORAGE & DISPOSAL

- Keep this product dry in its tightly closed container when not in use.
- Store in a cool, dry, well-ventilated area
- Keep away from heat or open flame
- Do not reuse empty container.
- Place in trash collection.
- Do not contaminate food or feed by storage or disposal or cleaning of equipment.
 - FOR DISPOSAL OF A CONTAMINATED OR DECOMPOSING PRODUCT SEE EMERGENCY HANDLING

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: DANGER: Highly Corrosive.

- Causes skin burns and irreversible eye damage.

- Harmful if absorbed through skin
- May be fatal if swallowed.
- Do not get in eyes, on skin or on clothing. Wear protective clothing
- Do not handle with bare hands.
- Wear goggles or face shield, and use rubber gloves. Only use utensils which are thoroughly clean and dry.
- Irritating to nose and throat.
- Avoid breathing dust and fumes.
- Remove contaminated clothing and wash clothing before reuse.
- Wash thoroughly with soap and water after handling

CHEMICAL HAZARDS: DANGER. Strong oxidizing agent. Add only into water. Use only clean dry utensils to dispense this product. Do not use this product in a dispensing device that has been used with any product other than Calcium Hypochlorite. Keep all of these away from this product: moisture, dirt, dirty rags, garbage, chemicals including other pool chemicals (such as cyanuric acid pool stabilizers), other pool chlorinating compounds (such as Trichloro-s- Triazinetrione or Sodium Dichloro-s- Triazinetrione), household products, soap products, paint products, solvents, acids, vinegar, beverages, oils, pine oil, or any other foreign matter. Contamination may start a chemical reaction that can give off heat and hazardous gases and may cause a fire or explosion. DO NOT touch this chemical with a flame or burning material, (like a lighted cigarette).

ENVIRONMENTAL HAZARD: This pesticide 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 EPA.

EMERGENCY HANDLING: In case of contamination or decomposition:

1. Do not reseal container.
2. Place the container in an open and well ventilated area by itself (if possible).
3. Flood with large amounts of water until the material is dissolved.
4. Dispose of container and any remaining contaminated material in an approved landfill area.

HTH[brand] HELPLINE

Toll-Free -800-HTH-PCOL (300-484-7665) [1-866-4POOLFUN (1-866-4-7665-386)]

Call 7 days a week with your questions concerning pool water care.

8:00 a.m. - 10:00 p.m. Eastern Time

Please visit <http://www.hthpools.com> (www.hthpoolife.com)