



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 9, 2010

Mark Visconti
Alden Leeds, Inc.
55 Jacobus Avenue
South Kearny, NJ. 07032

Subject: Nuclo Slow Dissolving Chlorinating Tablets
EPA Registration 7124-12
Application Date: September 1, 2010

Dear Mr. Visconti:

The Agency has reviewed your submission in accordance with continuing registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, and determined the action to be acceptable with the following conditions:

- Move the Precautionary Statements for Hazards to Humans and Domestic Animals section underneath the First Aid statements directly above the Environmental Hazards.
- Under Hazards to Humans and Domestic Animals, change "Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco" to "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet."
- Under Directions for Use change "Pool should not be entered until the chlorine residual is below 3.0 ppm" to read "Reentry into treated swimming pools is prohibited above levels of 3 ppm of chlorine".
- Under Instructions for Use in Skimmer Basket, delete redundant "the" in first sentence.
- In accordance with PR Notice 2007-4 revise the Storage and Disposal instructions as follows:

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container, tightly closed away from heat or open flame. Store in a cool, dry, well ventilated place. Keep container off wet floors.

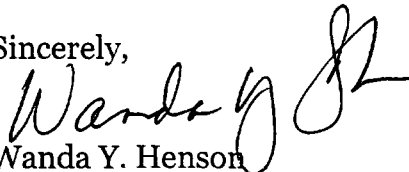
PESTICIDE DISPOSAL: Do not put spilled product, filled or partially filled containers in the trash. In case of decomposition, isolate container in open area if possible and flood with large amounts of water. Dispose of waste material according to label use directions otherwise call 1-800-CLEANUP for guidance from your local solid waste agency.

- Under CONTAINER DISPOSAL change $\frac{3}{4}$ full to $\frac{1}{4}$ full.

In summary, your request to update the Storage and Disposal instructions is approved.

A stamped copy of the labeling accepted with conditions is enclosed. Submit one copy of your final printed labeling before distributing or selling the product bearing the revised labeling. If you have any questions, please contact Tom Luminello by telephone, (703) 308-8075, or by e-mail at luminello.tom@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Wanda Y. Henson", with a stylized flourish at the end.

Wanda Y. Henson
Acting Product Manager 32
Regulatory Management Branch II
Antimicrobials Division (7510 P)

SLOW DISSOLVING CHLORINATING TABLETS

mucho®

- **Automatic Chlorination • Lasts up to 4 weeks! Filled with 1", 1/2 oz. Slow Dissolving Chlorinating Tablets Fits EZ CHLOR, GUARDEX, CHLOR-TROL, Swan type feeders and various float rings**
- **100% soluble • UV stabilized - 24 hour chlorine residual • For chlorinator cartridge refill**
- **Slow dissolving • Kills algae • 1" Chlorinating • 1/2 ounce**

ACTIVE INGREDIENT:
Trichloro-s-Triazinetrione*..... 99.0%
INERT INGREDIENT: 1.0%
TOTAL: 100.0%
* Provides 89% Available Chlorine

NET WT. 4 LBS. (1.8 kg)

KEEP OUT OF REACH OF CHILDREN

DANGER

SEE FIRST AID STATEMENT AND OTHER
PRECAUTIONS ON BACK PANEL
BEFORE OPENING CONTAINER

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin. May be fatal if inhaled. Do not breathe dust or spray mists. Irritating to nose and throat. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing and rubber gloves when handling this product. ~~Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco.~~ Remove contaminated clothing and wash before reuse.

FIRST AID:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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: Move 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.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. 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 EPA.

PHYSICAL AND CHEMICAL HAZARDS: STRONG OXIDIZING AGENT. Mix only with water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gasses and possible generation of fire and explosion.

SPECIAL PRECAUTIONS

PLEASE READ BEFORE OPENING CONTAINER

PREVENTION OF PHYSICAL INJURY

1. This product emits a powerful chlorine gas. Do not open container indoors:

-Hold away from face when opening to avoid breathing fumes.

2. This product is dangerous when not used properly:

MISUSE MAY RESULT IN SERIOUS PERSONAL INJURY

REQUIRING HOSPITALIZATION

RELATED COMPLICATIONS MAY LEAD TO DEATH

Do not mix with any other chemicals

Mixing with other chemicals may cause a violent and instantaneous chemical reaction

Do not add water to this product - Do not add this product to water in a pail - Do not take advice from others - Do not experiment - Follow label instructions exactly.

PREVENTION OF PROPERTY DAMAGE: Contact between this product in its undissolved state and vinyl liners, painted surfaces or other property in or around the pool will result in permanent bleaching of the color.

These tablets are manufactured with the most concentrated form of dry chlorine available today. They are consistent in size and slow dissolving in nature to allow you to reliably dose your pool once a week. These tablets contain cyanuric acid - a stabilizer that prevents ultraviolet light from removing available chlorine from the pool. These tablets allow you to easily maintain proper chlorine residuals and help you to effortlessly maintain beautiful, clean sparkling water. These tablets are designed for use in off-line, flow through, soaker-type chlorinating devices. Follow the manufacturer's directions for use supplied with your particular device.

DIRECTIONS FOR USE

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

1. Adjust water pH to 7.2 - 7.6 as determined by a test kit. For pools with copper plumbing best pH factor is 7.6 - 7.8.

2. If the pool has not been previously stabilized add Conditioner and Stabilizer (cyanuric acid). Follow the directions for use on the label for that product.

3. Use a shock treatment to establish a chlorine residual. Follow the instructions for use on the label for that product.

If there is no chlorine residual on the following day repeat the dosage until chlorine residual of at least 1 ppm is found 24 hours later without additional dosages.

4. Follow directions for use with your particular feeding device as prescribed.

During heat waves or periods of heavy bathing loads more chlorine will be required per day to maintain chlorine residual. Also check pH to keep in proper range as pH has a direct affect on chlorine residual. The pH of these tablets is on the acid side and will tend to reduce the pH and total alkalinity of the pool water. Also, the pH should be brought back into range when it falls or climbs due to rain, makeup water, windblown dust or any other reason, by the periodic additions of sodium carbonate or sodium hydrogen carbonate to raise pH, or sodium bisulfate to lower pH.

WHEN USED TO FILL CHLORINATOR:

1. Fill chlorinator with tablets. The rate of solution of the tablets depends upon the volume of water flowing through the chlorinator. Keep chlorine residual in pool above 1 ppm at all times.

2. Adjust valves on chlorinator so that water flow can be observed passing through. Keep chlorine residuals between 1 and 2 ppm by increasing or decreasing flow with proper valve settings. ~~Pool should not be entered until the chlorine residual is below 3.0 ppm.~~

Cartridge Configuration #1

PRINCIPLES OF OPERATION

Most automatic cartridge type feeding devices commonly used are adjusted by varying the amount of water exposed to these tablets. This is done in a combination of ways:

1. Increasing/decreasing the flow of water over the tablets.
2. Increasing/decreasing the number of tablets exposed to the water.

Water flow is changed by adjusting a valve supplying the water to the chemical chamber and/or punching or alternately covering additional holes on the cartridge.

The number of tablets exposed to the water is adjusted by regulating the level of the water in the chlorinator or alternately regulating the level of the cartridge in the water.

DIRECTIONS FOR USE

Following the manufacturers instructions for use for your particular chlorinator, pre-punch or slice the appropriate dimples on the cartridge and insert into the chlorinator. Test water frequently using a reliable test kit to maintain a chlorine residual of between 1 and 1.5 ppm at all times. Adjusting chlorination rate as per PRINCIPLES OF OPERATION above.

Cartridge Configuration #2

INSTRUCTIONS FOR USE IN EZ CHLOR TYPE FEEDER:

Chlorination feed rate is regulated by the height of the water flowing within the cartridge and the amount of water flowing through the feeder.

1. Using the tool provided with the feeder, punch out the first three holes on either side of the cap end of the cartridge and remove the protective sticky paper from the cap.

2. Place the cartridge into the feeder and turn until it drops into place. Test water frequently using a reliable test kit to maintain a chlorine residual of between 1.0-1.5 ppm. If chlorine level is too high, reduce flow through the flow meter. If chlorine level is too low, increase flow through meter or punch the next set of holes. The next highest holes should be punched as needed to maintain the required chlorine residual.

INSTRUCTIONS FOR USE IN SYLVAN TYPE FEEDER:

1. Using a sharp tool, punch out the first three holes on either side of the cap end of the cartridge and remove the protective sticky paper from the cap.

2. Screw the cartridge into the thread provided on the underside of the skimmer cover and reassemble the skimmer. Check chlorine residual with a reliable test kit and regulate filter cycles to maintain a chlorine residual of between 1.0-1.5 ppm. If necessary, more holes may be punched to maintain at all times the prescribed dosage.

INSTRUCTIONS FOR USE WITH FLOAT RINGS:

Use of this cartridge in vinyl lined pools is not recommended as particles of chlorine may fall out and cause discoloration of the vinyl.

Before placing cartridge into float use a sharp tool to punch out the first three holes on either side of the small end of the cartridge, and one additional set of holes for each 5,000 gallons of pool capacity above 10,000 gallons. Remove protective label from cap.

Additional holes may be cut off to allow increased circulation so as to maintain a chlorine residual at all times of between 1.0-1.5 ppm determined through the use of a

reliable test kit. In addition, greater chlorination will occur if the floating cartridge is located in an area of high agitation, such as when it is tied with a piece of fishing line near the inlet of the pools filtration system. Conversely, lesser chlorination may be accomplished by moving the assembly further from areas of high agitation.

Cartridge Configuration #3

INSTRUCTIONS FOR USE IN EZ CHLOR TYPE FEEDER:

Chlorination feed rate is regulated by the height of the water flowing within the cartridge and the amount of water flowing through the feeder.

1. Using a knife, slice off all #1 tabs at the bottom of the cartridge.

2. Use the tool supplied with feeder to punch out one hole on the canister corresponding to your pool size as outlined below:

GALLONS

5,000	-----A
10,000	-----B
15,000	-----C
20,000	-----D
25,000	-----E
30,000	-----F

3. Place the cartridge into the feeder and turn until it drops into place.

Test water frequently using a reliable test kit to maintain a chlorine residual of between 1.0-1.5 ppm. If chlorine level is too high, reduce flow through the flow meter. If chlorine level is too low, increase flow through meter or slice off one of the #2 tabs. The next highest holes should be punched or additional tabs sliced off as needed to maintain the required chlorine residual. Flow valve should be adjusted to limit the flow of chlorine entering the water.

INSTRUCTIONS FOR USE IN GUARDEX TYPE FEEDER:

Chlorination feed rate is regulated by the height of the cartridge in the feeder and the amount of water flowing through the feeder.

1. Using a knife, slice off all #1 tabs at the bottom of the cartridge.

2. Using the tool supplied with feeder, punch out the holes marked "VENT".

3. Using the following chart, choose the number that best approximates the size, in gallons, of your pool.

10,000	-----1
15,000	-----2
20,000	-----3
25,000	-----4
30,000	-----5
35,000	-----6
40,000	-----7

4. Insert the cartridge into the feeder to the number chosen above, and twist 1/8 of a turn to engage raised steps.

5. Test water frequently using a reliable test kit to maintain a chlorine residual of between 1 and 1.5 ppm. If chlorine level is too high, reduce flow through the flow meter or twist cartridge out and reinsert one step higher at the next lowest number. If highest settings will not supply enough chemical, additional tabs should be sliced off in successive order and the cartridge repositioned so as to maintain the prescribed chlorine residual as determined by a reliable test kit.

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INSTRUCTIONS FOR USE IN CHLOR-TROL TYPE FEEDER:

Chlorination feed rate is regulated by the height of the cartridge in the feeder and the amount of water flowing through the feeder.

1. Using a knife, slice off all #1 tabs at the bottom of the cartridge.

2. Using the tool supplied with feeder, punch out the hole marked "VENT".

3. Position the cartridge in the feeder with step marked "I" over the left adjustment guide and "II" facing you. Test water frequently using a reliable test kit to maintain a chlorine residual of between 1 and 1.5 ppm. If chlorine level is too high, reposition chlorinator one step toward "LESS". If chlorine level is too low, reposition chlorinator one step toward "MORE". If necessary, additional tabs may be sliced off and the cartridge raised or lowered on the steps so as to maintain the prescribed chlorine residual as determined by a reliable test kit.

INSTRUCTIONS FOR USE WITH FLOAT RINGS:

Use of this cartridge in vinyl lined pools is not recommended, as particles of chlorine which may fall out can cause discoloration of the vinyl.

Before setting cartridge into float, use a sharp tool to slice off the three "A" tabs on the small end of the cartridge and punch one set of holes for each 5,000 gallons of pool capacity above 10,000 gallons. Additional holes may be punched to allow increased circulation so as to maintain a chlorine residual at all times of between 1.0-1.5 ppm as determined through the use of a reliable test kit. In addition, greater chlorination will occur if the floating cartridge is located in an area of high agitation, such as when it is tied with a piece of fishing line near the inlet of the pool's filtration system. Conversely, lesser chlorination may be accomplished by moving the assembly further from the area of high agitation.

Cartridge Configuration #4

INSTRUCTIONS FOR USE IN KRATZ TYPE FEEDER:

Chlorination feed rate is regulated by the height of the stake within the cartridge and the amount of water flowing through the feeder.

1. Using a knife, slice off all of the elevated dimples on the cap end of the cartridge.

2. Remove child resistant cap from end of cartridge. LEAVE CAP PLUG IN PLACE.

3. At small end of cartridge, slice off the first small round hole.

4. Insert cap end into feeder and push down over the central stake.

5. Follow chlorinator instructions to regulate chlorine level in pool, increasing height of stake or flow to increase chlorination or decrease chlorination. Always remember to maintain a chlorine residual of between 1.0-1.5 ppm as determined through the use of a reliable test kit.

INSTRUCTIONS FOR USE IN FOX/YORK TYPE FEEDER:

Chlorination feed rate is regulated by the height of the cartridge in the feeder and the amount of water flowing through the feeder.

1. Using knife, slice off the 4 rectangular protrusions on the circumference of the small threaded end.

2. At cap end of cartridge, cut a small vent hole through one of the protrusions adjacent to the cap.

3. Rate of chlorination may be adjusted by screwing the cartridge into the chlorinator for more chlorine and out for less. In addition, follow chlorinator instructions to maintain chlorine residual of between 1.0-1.5 ppm as determined by a reliable test kit. If needed, additional dimples located on opposite sides at the small end of the cartridge may be sliced off to afford greater circulation.

INSTRUCTIONS FOR USE WITH SCREW TYPE FLOAT

RINGS:

Use of this cartridge in vinyl lined pools is not recommended as particles of chlorine may fall out and cause discoloration of the vinyl.

Before screwing cartridge into float, use a knife to slice off the first two dimples on either side of the small end of the cartridge, and one additional set of dimples for each 5,000 gallons of pool capacity above 10,000 gallons. Additional may be cut off to allow increased circulation so as to maintain a chlorine residual at all times of between 1.0-1.5 ppm as determined through the use of a reliable test kit. In addition, greater chlorination will occur if the floating cartridge is located in an area of high agitation, such as when it is tied with a piece of fishing line near the inlet of the pool's filtration system. Conversely, lesser chlorination may be accomplished by moving the assembly further from the area of high agitation.

Cartridge Configuration #5

INSTRUCTIONS FOR USE IN AQUA-GENI TYPE FEEDER:

Chlorination feed rate is regulated by the volume of water passing through the chemical sections and the amount of water flowing through the cartridge.

1. Slice off slot on the end of one row and 1 additional slot on the opposite side end for each 5,000 gallons of pool capacity.

2. Place the cartridge into the feeder and turn until it drops into place. Test water frequently using a reliable test kit to maintain a chlorine residual of between 1.0-1.5 ppm. If chlorine level is too high, reduce the flow by dialing a smaller number on the flow dial. If chlorine level is too low, increase the flow by dialing a larger number and/or slice off additional slots on the cartridge.

INSTRUCTIONS FOR USE IN SKIMMER BASKET:

Chlorination feed rate is regulated by the (the) number of slots cut off of the cartridge and the length of time the filter is in operation.

Start by slicing off 1 slot on the end of one row and 1 additional slot on the opposite end for each 5,000 gallons of pool capacity. Drop cartridge into skimmer.

Test water frequently using a reliable test kit to maintain a chlorine residual of between 1.0-1.5 ppm. If chlorine residual is too low, increase dosage by extending filter cycle and/or slicing additional slots off of the cartridge. If chlorine residual is too high, decrease dosage by decreasing filter cycle and/or covering up open slots with a waterproof tape.

Cartridge Configuration #6

INSTRUCTIONS FOR USE IN BLUE CHLOR TYPE FEEDER:

Continuous chlorination to the pool takes place when the pump is on.

Chlorination feed rate is determined by the height of the small pointed standpipe in the chlorinator.

With the pump on, turn the small pointed standpipe in the chlorinator counter-clockwise until the water level is highest without unscrewing standpipe out of socket. This maximum water level provides maximum chlorination.

Using a sharp pointed instrument, perforate the dimple marked "vent".

Remove the child resistant cap from the bottom of the cartridge, leave the inverted cap underneath in place. Push the cap end into the chlorinator so that the standpipe enters the "x" cut into the inverted cap and cartridge rests on the bottom of the chamber. You are now chlorinating the pool at maximum rate.

Follow chlorinator instructions to regulate chlorine level in pool.

INSTRUCTIONS FOR USE AS A SELF CONTAINED

FLOATING CHLORINATOR:

IMPORTANT: Floation is provided by an air pocket trapped in the Bulb End of this chlorinator. If chlorinator is disturbed and air is displaced by water, the chlorinator will sink and bleaching of painted or vinyl surfaces will result. Small particles from Slow Dissolving Tablets may fall out of puncture holes. As these will bleach vinyl or paint, use of this product in vinyl or painted pools is not recommended.

Using a sharp instrument, puncture all dimples on both sides of chlorinator up to and including those indicating the volume of the pool plus one vent hole.

Place chlorinator in pool. 24 hours later test water with a reliable test kit. If free chlorine residual is below 1.0-1.5 ppm, punch out additional holes. If chlorine residual is above 1.5 ppm, seal off the highest set of holes with waterproof tape. Test water frequently and adjust as necessary always to maintain a free chlorine residual of 1.0-1.5 ppm.

PLEASE NOTE: The pH of this product is on the acid side and will tend to reduce the pH and alkalinity of the pool water. Proper pH should be maintained at 7.2-7.6 (as determined by a test kit) through periodic additions of sodium carbonate or sodium hydrogen carbonate.

Each tablet weighs 14 grams or 0.5 ounces

To determine pool capacity, see Pool Calculator below.

POOL GALLON CALCULATOR (all dimensions in feet)

Square or Rectangular: Length x Width x Average Depth x 7.5= Gallons

Round or Oval: Length x Width x Average Depth x 5.9= Gallons

STORAGE AND DISPOSAL: Keep product dry in tightly closed container when not in use. Store in a cool, dry, well-ventilated area away from heat or open flame. In case of decomposition isolate container if possible, and flood with large amounts of water.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container (3/4) full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for latter use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available, or discard in trash.

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E.P.A. EST. NO. 7124-NJ-1

Manufactured for: ALDEN LEEDS, INC. 55 Jacobus Ave.,
So. Kearny, NJ 07032

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