



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 13, 2010

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

Subject: NuClo Vinyl Pool Shock
EPA Registration 7124-84
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:

- In the marketing claims change "Disinfects, kills algae and bacteria" to "Kills algae".
- 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 "Test the chlorine residual and if above 2.0 ppm do not allow swimming until residual has decreased" to read "Reentry into treated swimming pools is prohibited above levels of 3 ppm of chlorine".
- Under directions for use as a Shock Treatment change "Bathers should not be allowed to enter the pool until the chlorine residual is below 3.0 ppm or less" to read "Reentry into treated swimming pools is prohibited above levels of 3 ppm of chlorine".
- Under directions for use in Spa Water Care change "Bathers should not enter the spa until the available chlorine falls to 3.0 ppm" to read "Reentry into treated spas is prohibited above levels of 3 ppm of chlorine".
- Under directions for Shocking your Spa change "Bathers should not re-enter the spa until the available chlorine residual falls to 3.0 ppm" to read "Reentry into treated spas is prohibited above levels of 3 ppm of chlorine".

- 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.

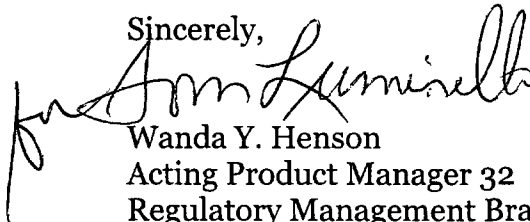
PESTICIDE DISPOSAL: Do not put spilled product, filled or partially filled containers in the trash. In case of decomposition, isolate container in open area if possible and flood with large amounts of water. Dispose of waste material according to label use directions otherwise call 1-800-CLEANUP for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



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

for Sparkling Pools

nucleo®

Vinyl Pool Shock

***Will not discolor
vinyl or paint***

DANGER
POISON

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

NET WT. 4 LBS. (1.8 kg)

*** Provides 35% Available Chlorine**

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 13 2010

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

7124-84

 $\frac{3}{4}$

DEC 13 2010

- ✓ **100% Soluble** ✓ **Disinfects, kills algae and bacteria**
✓ **Low chlorine odor** ✓ **Will not bleach vinyl or paint**
✓ **Fast dissolving • 2.7 oz. per 5,000 gallons daily**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wear goggles or safety glasses, protective clothing and rubber gloves when handling. Wash hands 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 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 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 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.

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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate to use of gastric lavage.

ENVIRONMENTAL HAZARDS: This pesticide 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 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.

DIRECTIONS FOR USE:

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

To start your pool:

1. Backwash filter.

2. Utilizing your pool test kit adjust pH of pool water to 7.2-7.6. Add soda ash or sodium bicarbonate to correct an acid condition (less than 7.2). Add sodium bisulfate if the pH is greater than 7.6. Maintain pH range of 7.2-7.6 for a minimum of six hours before the addition of this product and during the entire season.

3. Use two cups of this product per 5000 gallons of water. After the proper pH range (7.2-7.6) and chlorine residuals (1.0-1.5) ppm have been established, it is beneficial to add a chlorine stabilizer (cyanuric acid) to the pool to prevent extreme fluctuations in the chlorine level. Cyanuric acid is available at most pool dealers and should be added in accordance with the instructions on the package for maximum stabilization of the pool water.

HOW TO MAINTAIN THE PROPER CHLORINE RESIDUAL

The chlorine residual should be maintained between 1.0 and 1.5 ppm available chlorine as determined by the chlorine test kit. Under normal conditions this residual can be maintained by the daily addition of about 1/3 cup (2.7 ounces) of this product for each 5,000 gallons of pool water - if the pool water is properly stabilized with 30-50 ppm of cyanuric acid pool stabilizer. Severe conditions such as high temperature or continued use by many people will require higher daily dosage whereas smaller doses may suffice in spring and fall or when the pool is not being subjected to normal bathing loads. The pool water should be superchlorinated about once each week. Five times the normal daily addition, or a minimum of one cup (eight ounces) per 5,000 gallons of pool water should be added in the evening when the pool will not be used for a minimum of 12 hours. ~~Test the chlorine residual and if above 2.0 ppm do not allow swimming until residual has decreased.~~

FOR USE AS A SHOCK TREATMENT

TO AVOID POSSIBLE BLEACHING OR DISCOLORATION OF VINYL LINERS ADD ALL CHEMICALS THROUGH SKIMMER. NEVER TWO AT ONCE AS A VIOLENT REACTION MAY OCCUR.

1. Remove as much as possible any floating, suspended and/or sunken matter that may be present by use of a hand skimmer, net or vacuuming to waste.

2. Adjust pool water pH to 7.2-7.6.

3. Start filter and add this product at the rate of 1 lb. (16 oz.) per 7,500 gallons of pool water. Dose by feeding this product through the skimmer. Allow filter to run continuously, being careful to empty strainer basket in front of pump if suction is impeded. Also, there may be a tendency for the filter to clog due to the accumulation of dead algae. Backwash filter if this occurs. Repeat dosage on the second day if necessary. If there is no improvement on the third day, consult your dealer or the manufacturer of this product for further advice. Do not resume regular chlorine dosages until residual reads between 2 and 3 ppm.

~~BATHERS SHOULD NOT BE ALLOWED TO ENTER THE POOL UNTIL THE CHLORINE RESIDUAL DROPS TO 3 PPM OR LESS.~~

DIRECTIONS FOR USE IN SPA WATER CARE.

Effective use of all spa sanitizers depends on maintaining proper water balance. The following ranges are highly recommended.

pH 7.4-7.8

Total Alkalinity 125-150 ppm

Calcium Hardness 200-300 ppm

Cyanuric Acid (Indoors 10 ppm; Outdoors 80 ppm)

DOSAGE

Use one quarter ounce of this product per 250 gallons of water as an initial treatment. Repeat the procedure until a residual of

2.0-3.0 ppm is established. Frequent testing to determine additional doses needed to maintain the proper residual is highly recommended. Use a reliable test kit with fresh solutions for pH and chlorine testing. If a need for superchlorination arises, use one-half ounce of this product per 250 gallons of water. ~~Bathers should not enter the spa until the available chlorine falls to 3.0 ppm.~~

Before using the spa, shower in order to avoid adding soap, lotions, or oils from the body into the water. Do not add food or beverages to the water. Avoid overloading the spa.

If the spa is used daily, it should be drained and fresh filled about once a month.

DIRECTIONS FOR SHOCKING YOUR SPA

This product is compatible with all spa sanitizers, but always add spa chemicals separately. Use a reliable test kit with fresh solutions for pH and chlorine testing. Add this product daily when the water appears dingy or hazy from bather contamination. Turn off the air blower and circulation system. Sprinkle this product into water at the rate of one ounce per 250 gallons. This product will dissolve completely within seconds and liberate 10 ppm available chlorine. Allow the ensuing reaction to proceed 10-15 minutes before covering the spa. Turn on the circulation system. ~~Bathers should not re-enter the spa until the available chlorine residual falls to 3.0 ppm.~~

Before using the spa, shower in order to avoid adding soap, lotions, or oils from the body into the water. Do not add food or beverages to the water. Avoid overloading the spa. This product should not be used more than once a day. If the spa is used daily, it should be drained and fresh-filled about once a month.

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 in open area 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.

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

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