



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Antimicrobials Division (7510P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

95407-1

Date of Issuance:

12/3/2020

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

AK600 Solar Pool Ionizer

Name and Address of Registrant (include ZIP Code):

Carlo Krouzian
 Oreala, Inc.
 27955 Smyth Drive
 Suite 102
 Valencia, California 91355

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials 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 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 section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

E. Miederhoff
 Eric Miederhoff
 Product Manager 31
 Regulatory Management Branch I
 Antimicrobials Division (7510P)
 Office of Pesticide Programs

Date:

12/3/2020

2. . You are required to comply with the data requirements described in the DCI or EDSP Order identified below:

a. Copper GDCI-022501-1258

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

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

- Revise the EPA Registration Number to read, “EPA Reg. No. 95407-1.”

4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Assurance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 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. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 03/03/2020

If you have any questions, please contact Karen Leavy via email at leavy.karen@epa.gov.

Enclosure

ACCEPTED

12/03/2020

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 95407-1

AK600 Solar Pool Ionizer

[Picture/Logo optional]

Model Number: AK600, AK300, and AK650
Replacement Copper bar number AK600 Copper Anode

Copper Ion Releasing System

Active Ingredients:

Copper as metallic	99.75%
Other ingredients	0.25%
Total ingredients	100.00%

Keep Out of Reach of Children

PRECAUTIONARY STATEMENTS:

HAZARD TO HUMANS AND DOMESTIC ANIMALS:

Causes moderate eye irritation. Avoid contact with eyes. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic vertebrates.

STORAGE AND DISPOSAL

Store in original container in a cool dry place. Do not store in direct sunlight.

Once the copper anode reaches $\frac{1}{4}$ inch, remove it from the water and dispose of what is left of the bar in a recyclable waste container.

DIRECTIONS FOR USE.

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

Intended Use: Controls algae in swimming pools containing 500 to 50,000 gallons of water.

{MASTER LABEL}

{All text in brackets [xxx] is optional & may or may not be included on a printed label.}

{All text in braces {xxx} is administrative communication & will not appear on a printed label.}

Please read instruction guide before using this product.

The AK600 System assists in controlling algae growth by producing copper ions when exposed continuously to solar power by sunlight. The copper metallic ions bind with organic matter to kill algae.

Start with clear algae-free water. Make sure pool water is chemically balanced. Check chlorine levels and pH levels prior to using this product. Chlorine levels should be between 1.5 - 3.0 ppm and the pH should be between 7.6 and 7.8. Once copper levels have reached 0.2 to 0.5 ppm, the chlorine can be reduced to 1.0 to 2.0 ppm. Copper levels may not exceed 1.0 ppm. Copper levels can be determined using the monitor that is included in the test kit. Once the maximum levels of copper are reached, remove the basket containing the copper anode from the water.

Do not add algaecide or water clarifiers to your water. If you need to shock your pool, use a chlorine-free shock treatment, also called an oxidizer. Replace the copper anode when it reaches $\frac{1}{4}$ inch.

Before draining a treated [pool][spa][hot tub] or [fountain] contact your local sanitary sewer and storm drain authorities and follow their discharge instructions. Do not discharge pool or spa water to any location that flows to a gutter, storm drain or natural water body unless discharge is allowed by state and local authorities.

EPA Reg. No. 95407-1
Oreala-Lumière Technologies
27955 Smyth Drive, Suite 102, Valencia, CA 91355

EPA Estab. No. [95407-CA-1] [XXXXXX-XX-XXX]

Net Contents: _____ kit[s]

{MASTER LABEL}

{All text in brackets [xxx] is optional & may or may not be included on a printed label.}

{All text in braces {xxx} is administrative communication & will not appear on a printed label.}

AK600
Solar Powered
Chemical-Free Pool Cleaner
LUMIÈRE Technologies [logo image optional]
[image of kit contents optional]

INSTRUCTION GUIDE

HOW THIS TECHNOLOGY WORKS

The Lumière Technologies Solar Pool Ionizer prevents algae growth while reducing chlorine consumption. The solar technology charges the copper core anode, causing ions to release into the pool water. The resulting copper ions act as algacide to help control algae growth in pools from 500 to 50,000 gallons.

STEP 1: PREPARING YOUR POOL

1. Start with clear, algae-free water. If your pool water is unclear, it will require using an oxidizer to clear it up prior to floating the AK600 Solar Pool Ionizer.
2. Starting chlorine levels should be between 1.5 – 3.0 ppm and pH levels between 7.6 – 7.8 ppm.
3. Use the included Copper Test Kit to check that levels are between 0.0 – 0.1 ppm. If levels are higher, this may indicate previously used algacides, which should be removed by using a sequestering or chelating agent.

STEP 2: USING THE SOLAR POOL IONIZER

1. Float the A600 Solar Pool Ionizer in the water and allow it to get full sun all day. TIP: If your pool has part shade, tether the AK600 Solar Pool Ionizer in a sunny area of your pool.
2. Operate the pool pump during the daylight hours to promote circulation and distribution of copper ions.
3. You will see a blue/green mineral build-up on the copper anode within 5 – 7 days, indicating the unit is functioning.
4. Once copper levels have reached 0.2 – 0.5 ppm, you can reduce chlorine levels to 1.0-2.0 ppm.
5. Copper levels may not exceed 1.0 ppm. Copper levels can be determined using the monitor that is included in the test kit. Once the maximum levels of copper are reached, remove the basket containing the copper anode from the water.
6. Do not add algacide or water clarifiers to your water. If you need to shock your pool, use a chlorine-free shock treatment.

Note: Before draining a treated pool contact your local sanitary sewer and storm drain authorities and follow their discharge instructions. Do not discharge pool or spa water to any location that flows to a gutter, storm drain or natural water body unless discharge is allowed by state and local authorities.

Sufficient copper ions levels will take 2 – 3 weeks to build in your water. While in this waiting period, you will have to keep algae down by continuing your regular maintenance. TIP: The Copper Test Kit may give inaccurate readings for a variety of reasons, including rain, well water, and previous chemicals used. Your water clarity is the main indicator that the unit is working properly.

For easy calculations, you can use one to two 3" chlorine tablets every week (20,000 – 30,000 gallons) and every other week for pools from 5,000 – 20,000 gallons.

{MASTER INSTRUCTION GUIDE}

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STEP 3: CLEANING AND MAINTENANCE

1. Perform a bi-weekly (every other week) cleaning of the copper anode, stainless steel coil, and mesh basket.
 - To remove mesh basket, place downward pressure on it while unscrewing the screw, otherwise it will be difficult to loosen. Do not over-tighten the screw when placing back or it can strip the threads.
 - Use the supplied metal brush to clean the blue/green mineral build-up from the copper anode and stainless steel coil. TIP: Cleaning when wet is cleaner is easier.
 - For easier cleaning, you can soak the copper anode in vinegar overnight and then rinse off. The copper anode and stainless steel coil do not have to be perfectly clean for the unit to function properly.
2. The copper anode should be replaced when it reduces to a 1/4" in diameter at its thinnest point. It is normal to see pitting on the copper core anode as it wears.
3. If closing your pool for winter:
 - Prepare your pool by having copper, pH, and chlorine at normal levels before covering.
 - Unscrew and store your copper anode inside a sealed plastic bag or airtight container.

For questions or guided setup, please email us at: support@lumieretechnologies.com

IMPORTANT THINGS TO KNOW:

- Allow new plaster or pebble pools to cure for 30 days prior to using the AK600 Solar Pool Ionizer.
- Do not add algaecides or water clarifiers to your water. These chemicals will remove all beneficial ions generated by the Solar Pool Ionizer.
- Do not shock your water with chlorine once you start using your Solar Pool Ionizer. If you need to clear up your water at any point, use an Oxidizer (chlorine-free shock). For best results, it is best to remove the Solar Pool Ionizer from the pool while waiting for your water to clear and balance, then start again from STEP 1.
- Sufficient copper ion levels will take 2 – 3 weeks to build in your water. While in this waiting period, you will have to keep algae down by continuing your regular chlorine use/maintenance.
- The copper core anode lasts approximately one year before needing to be replaced.

CONGRATULATIONS!

You can finally enjoy your pool! Your family and friends will thank you!

If you have questions or need assistance with setup, please email us at:

support@lumieretechnologies.com

LUMIÈRE technologies

[logo image optional]

www.lumieretechnologies.com

27955 Smyth Drive, Suite 102, Valencia CA 91355

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