

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
59055-1

DATE OF ISSUANCE
MAY 1 1989

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
*(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)*

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

Duo, on 1000

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Chemical Cealir Company, Inc.
P.O. Box 6242
Salt Lake, UT 84106

L

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 registration notice is being issued in accordance with

Section 3(c)(7)(C) of the FIFRA subject to the following conditions:

1. It is understood that you will submit data to the Agency for re-registration or re-registration of your product under Section 3(c)(5) of the FIFRA when the Agency requires all registrants of similar products to submit such data.

2. Delete "...as is common in European water treatment. See Research and Technology, Journal of the American Water Works Association, pages 64 to 69."

3. Add the phrase "EPA Registration No. 59055-1" to your label before you release the product for shipment.

4. Submit five copies of your finished printed labels before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labels.

A stamped copy of the draft label is enclosed for your records. Your release of the product for shipment constitutes acceptance of conditions. If the conditions are not complied with, the registration will be subject to cancellation in accordance with Section 6(e) of the FIFRA.

ATTACHMENT IS APPLICABLE

Jeff Kemper
Jeff Kemper

SIGNATURE OF APPROVING OFFICIAL Product Manager (32)

Antimicrobial Program Branch

DATE

Snagle 4/24/89

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAY 17 1989

DUOZON - 100 L. (ClO₂)

Chlorine Dioxide for use in drinking water

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

59055-1

Active Ingredient:
Chlorine Dioxide 10.00%
Inert Ingredients: 90.00%

KEEP OUT OF REACH OF CHILDREN
DANGER

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive, causes eye damage and skin burns, causes irritation to nose and throat. Harmful and may be fatal if swallowed. Do not get on skin or on clothing. Use only clean dry utensils and wear goggles or face shield and PVC gloves when handling.

STATEMENTS OF PRACTICAL TREATMENT

- ON SKIN: Wash hands thoroughly after handling. Immediately flush with plenty of water. Remove contaminated clothing before reuse. If irritation persists call a physician.
- IN EYES: Flush with plenty of water for 15 minutes and call a physician.
- IF SWALLOWED OR INHALED: Drink milk, water or raw egg whites, call a physician. Remove person to fresh air, call a physician.

ENVIRONMENTAL HAZARDS

This Product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds or public water unless in accordance with an NPDES Permit, for guidance, contact the regional office of the EPA.

STORAGE AND DISPOSAL

Keep container tightly closed when not in use. Store in cool, well ventilated areas, away from open flames, heaters, direct sunlight or other sources of heat. Store at temperatures between 32°F and 95°F.

59055-

Disposal of Empty Containers: Rinse small empty containers with water and discard in regular trash collection. Rinse large bulky containers thoroughly with water and return to manufacturer for recycling or dispose in landfill areas approved for pesticide disposal.

PHYSICAL CHEMICAL HAZARDS

Strong Oxidizing Agent: Mix only with water. Use clean dry utensils. Contamination with organic matter, such as oil, dirty rags, or combustible mater may cause decomposition, release of harmful gases, and possible fire. Decomposes at 275°F. In case of fire or decomposition isolate container in open air or well ventilated area, and flood with large amounts of water, and discard.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds or public waters, unless in accordance with an NPDES permit. For guidance contact the regional office of the U. S. Environmental Protection Agency.

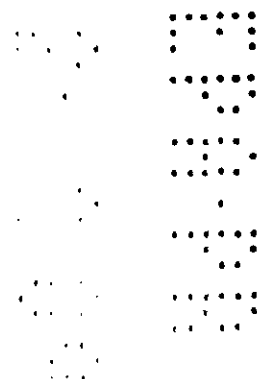
CEALIN products are made by CEALIN CHEM. FABRICK in West Germany and distributed by Chemical Cealin Company, Inc. in Salt Lake City, Utah., water treatment specialists.

NOTICE

Buyer assumes all risks of use of this material when such use is contrary to the label instructions and precautions.

Net wt. _____

EPA Reg. No. _____



DIRECTIONS FOR USE

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

Directions for non-potable Water Treatment.

For use in non-potable Water cooling systems open or closed, to control algae and bacterial growth, Duozone-100L may be introduced in bulk or through metering pumps. A concentration of 1 part of Duozone-100L per 1000 parts water (100 ppm chlorine dioxide) is recommended. Do not drink the treated water or allow it to come in contact with food. A general purge of the cooling system, or discharge of quantities of treated water into fish bearing water may result in a fish kill.

Directions for Potable Water Treatment

Dosage and residual levels of Chlorine Dioxide in drinking water supplies are likely to be on the order of 1 mg/liter (1 part per million) or less as is common in European water treatment. See Research and Technology, Journal of the American Water Works Association, pages 64 to 69. For Duozone L this is equivalent to 1 gallon per 100,000 gallons of treated water. This may be introduced into the system in bulk or through metering pumps until the desired chlorine dioxide residual is established by monitoring the system for chlorine dioxide residuals.

