

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-762)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
5736-94

DATE OF ISSUANCE
MAY 28 1990

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

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

WCO-232

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

DuSols Chemicals, Inc.
3030 East 14th Street
Sharonville, OH 45241

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

1. Submit/cite all data or other material required for registration, reregistration of your product under FIFRA section 3(c)(2) or FIFRA section 3(c)(7)(A) when the agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA registration no. 5736-94."
- b. Under the Statement of Practical Treatment: "If swallowed," delete "drink promptly a large quantity of egg whites or similar solution, or if these are not available"

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

Pringle 5-16

If these conditions are not complied with, the registration will be subject to cancellation in accordance with 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.



Walter C. Francis
Product Manager (32)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosures

(CENTER PANEL)

WCO-232

FOR USE AS A
DISINFECTANT, FUNGICIDE, ALGICIDE AND/OR
SLIMICIDE IN WATER TREATMENT

ACTIVE INGREDIENT:

Sodium Bromide..... 1.7%

INERT INGREDIENTS: 98.3%

KEEP OUT OF THE REACH OF CHILDREN

DANGER:

Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

STATEMENT OF PRACTICAL TREATMENT:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly a large quantity of egg whites or gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be needed.

EPA Registration No. 5736

EPA EST. NO.

-1

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAY 28 1960

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

5736-94

(LEFT SIDE OF PANEL)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

KEEP OUT OF THE REACH OF CHILDREN

DANGER:

Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS - Do not discharge into lakes, streams, ponds or public water unless in accordance with a NPDES permit. For guidance, contact your regional office of EPA. Use this product only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS - Avoid contact with strong oxidizers (other than sodium hypochlorite and chlorine), acids, alkaloidal and heavy metal salts.

DIRECTIONS FOR USE

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

WCO-232 is for use as a disinfectant, fungicide, algicide and or slimicide in recirculating and once-through cooling water systems. It is to be used in conjunction with an oxidant such as sodium hypochlorite (12.5%) or chlorine gas (99.9%) to produce the hypobromous acid. WCO-232 may be added at system inlet water or metered into the existing NaOCl piping to form a solution of sodium hypobromite. Consult your feeder manufacturer for correct procedure and proper use of the feeder equipment.

RECIRCULATING COOLING WATER SYSTEMS. When used as directed, WCO-232 effectively controls bacteria, fungi, algae and slimes in commercial and Industrial cooling towers; heat exchange water towers, Industrial water scrubbing systems, and influent systems such as flow through filters, lagoons, etc.

INDUSTRIAL ONCE-THROUGH COOLING WATER SYSTEMS. When used as directed, WCO-232 effectively controls bacteria, fungi, algae and slimes in once-through and closed-cycle fresh and sea water cooling systems. Apply WCO-232 and chlorine or sodium hypochlorite to the system inlet water or before any other contaminated areas in the system.

DOSAGE RATES: Initial Doses: When the system is noticeably fouled, apply sufficient WCO-232 and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5-1 ppm or as needed to maintain control. A 0.5 to 2.0 mole ratio of sodium bromide to oxidant is recommended.

(RIGHT SIDE PANEL)

STORAGE AND DISPOSAL

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

Store drums in well ventilated, dry area.

DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use in accordance to label instructions, contact your Regional Office of EPA for guidance.

Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Plastic Containers: Triple rinse (or equivalent). Then offer for reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning, stay out of smoke.

(continued Directions for Use)

Typically, the recommended mole ratio may be achieved by using 0.06-0.27 lbs. of chlorine gas (99.9%) or 0.05-0.23 gallons NaOCl (12.5%) for each gallon of WCO-232.

Subsequent Dose: When microbial control is evident, apply sufficient WCO-232 and chlorine or sodium hypochlorite to achieve a residual bromine level of 0.5-1.0 ppm is recommended. Typically, the recommended ole ratio may be achieved by using 0.06-0.27 lbs of chlorine gas (99.9%) or 0.05-0.23 gallons NaOCl (12.5%) for each gallon of WCO-232.

The product may be added to the system either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. It is recommended that the product be used in a manner such that the effluent discharges meet the NPDES guidelines.