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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 50533-28	DATE OF ISSUANCE <b>JUN 25 1990</b>
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT HDO-128	

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

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Syntron Industries, Inc.  
 P.O. Box 9168  
 New Haven, CT 06532

**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 sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for reregistration/re-registration of your product under FIFRA sec. 3(c)(5) 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. 50533-28."
  - b. Delete "Measures against circulatory shock, respiratory depression and convulsion may be needed."
  - c. Delete: milk.
  - d. Delete: For Sale to, Use and Storage by maintenance personnel only.
  - e. Revise Prevent the growth of mold and mildew to read "inhibits the growth of mold and mildew."
  - f. Delete the word: etc. (two locations) (right panel).

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL \_\_\_\_\_ DATE \_\_\_\_\_

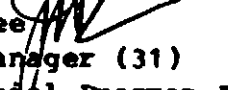
- g. Add the following to the left panel precautionary labeling section

Wash thoroughly with soap and water after handling.

- h. Include the heading: Net contents.

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

  
John H. Lee  
Product Manager (31)  
Antimicrobial Program Branch  
Registration Division (H7505C)

Enclosure

HDQ-128

**DISINFECTANT-CLEANER-SANITIZER-FUNGICIDE  
MILDEWSTAT-VIRUCIDE\*-DEODORIZER  
for Hospitals, Institutional and Industrial Use**

Active Ingredients

Octyl decyl dimethyl ammonium chloride	3.255Z
Dioctyl dimethyl ammonium chloride	1.628Z
Didecyl dimethyl ammonium chloride	1.628Z
Alkyl (C <sub>14</sub> , 50Z; C <sub>12</sub> , 40Z; C <sub>16</sub> , 10Z) dimethyl benzyl ammonium chloride	4.340Z

Inert Ingredients

89.149Z  
100.000Z

KEEP OUT OF REACH OF CHILDREN

DANGER

## 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 milk, egg whites, 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 convulsion may be needed.

SEE LEFT PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No.  
EPA Establishment No.

50533-  
50533-CT-01

MANUFACTURED BY:  
Syntron Industries, Inc.  
P.O. Box 9168  
New Haven, CT 06532

**BEST AVAILABLE COPY**

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### Directions for Use

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

HDQ-128 is a proven "one-step" cleaner-disinfectant-sanitizer-fungicide-mildewstat-virucide which is effective in water up to 400 ppm hardness in the presence of 5% serum contamination.

Apply HDQ-128 to walls, floors and other hard (inanimate) non-porous surfaces such as tables, chairs, countertops, sinks, tile, porcelain, and bedframes with a cloth, mop or mechanical spray device so as to thoroughly wet surfaces. For heavily soiled areas, a preliminary cleaning is required. Prepare a fresh solution daily or when use solution becomes visibly dirty.

Disinfection-to disinfect hard, non-porous surfaces, add 1 oz. per gallon of water. Treated surfaces must remain wet for 10 minutes. The activity of HDQ-128 has been evaluated in the presence of 5% serum and 400 ppm hard water by the AOAC use dilution test and found to be effective against a broad spectrum of gram negative and gram positive organisms as represented by:

<i>Pseudomonas aeruginosa</i>	<i>Staphylococcus aureus</i>
<i>Salmonella choleraesuis</i>	<i>Escherichia coli</i>
<i>Streptococcus pyogenes</i>	<i>Klebsiella pneumoniae</i>
<i>Enterobacter aerogenes</i>	<i>Streptococcus faecalis</i>
<i>Shigella dysenter.</i> :	<i>Salmonella schottmuelleri</i>
<i>Salmonella typhi</i>	<i>Serratia marcescens</i>

#### Fungicidal Control-

HDQ-128 is an effective fungicide against Trichophyton mentagrophytes (the athlete's foot fungus) when used on surfaces in areas such as locker rooms, shower and bath areas, exercise areas, dressing rooms, etc., at 1 oz./gallon.

#### Mold and Mildew Control-

At 1 oz./gallon, HDQ-128 will effectively inhibit the growth of mold and mildew and the odors caused by them when applied to hard, non-porous surfaces (as indicated in general instructions above). Allow to dry on surface and repeat when mildew growth returns.

#### Virucidal Performance

\*At 1 oz. per gallon use-level, HDQ-128 was evaluated and found to be effective in the presence of 5% serum and 400 ppm hard water, against the following viruses: Influenza A/Brazil, Herpes Simplex Type 1 and Vaccinia on inanimate environmental surfaces.

Sanitizing - Non-food Contact Surfaces (such as floors, walls, tables, etc.). At 1 oz. per 5 1/2 gallon use-level, HDQ-128 is an effective sanitizer against *Staphylococcus aureus* and *Klebsiella pneumoniae* on hard porous and non-porous environmental surfaces. Treated surfaces must remain wet for 60 seconds.

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Cross-contamination is of major housekeeping concern not only in hospitals, but in schools, institutions, and in industry. HDQ-128 has been formulated to aid in the reduction of cross-contamination in these areas.

HDQ-128 is a one-step disinfectant cleaner that is effective against a broad spectrum of bacteria, is virucidal, fungicidal, and will prevent the growth of mold and mildew and their odors when used as directed.

HDQ-128 is an effective one-step sanitizer-cleaner for use on non-food contact surfaces. When used as directed, HDQ-128 will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.

Precautionary Statements

Hazards to Humans and domestic animals

DANGER

Keep out of reach of children. Corrosive. Causes 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 or absorbed through skin. Avoid contamination of food.

STORAGE AND DISPOSAL

- Do not contaminate water, food or feed by storage or disposal.
- Open dumping is prohibited.
- Do not reuse empty container.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray or mixture of rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by State and Local authorities.

GENERAL

Consult Federal, State or Local disposal authorities for approved alternative procedures.

FOR SALE TO, USE , AND STORAGE BY MAINTENANCE PERSONNEL ONLY

MADE IN U.S.A.

Product Code 9172

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