

Mr. Jack Summers  
Byrd Corporation  
4300 South Morgan Street  
Chicago, Ill. 60632

Subject: **BY-O-DINE IODINE GERMICIDE**  
Reg. Registration No. 234-144  
Amendment of April 8, 1960

We have received your response to our letter of July 25, 1960.  
The following comments apply:

• The revised Confidential Statement of Formula agrees with the revised label and is acceptable.

• The change in the product name from "By-O-Dine XIX Iodine Germicide (1.5% Available Iodine)" to "By-O-Dine Iodine Germicide" is acceptable.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Five copies of the finished labeling must be submitted before you release the product for shipment.

Sincerely yours,



Walter G. Francis  
Senior Product Manager (22)  
Antimicrobial Program Branch  
Registration Division (2750C1)

**BEST AVAILABLE COPY**

NOTE: Maximum type size on back panel is 6 points. (A reduction to 50% will give about 6 point type with 12 picas column width.)

[Check with LARA Office before adding the USDA statement below.]

Authorized by USDA for use in Federally inspected meat and poultry plants.

FEATURES, CLAIMS, AND USES

TRIPLE-ACTION PRODUCT: Disinfects, cleans, and deodorizes. A hospital-type and broad-spectrum disinfectant/antimicrobial agent that is effective against a wide range of microorganisms on hard, non-porous surfaces. Contains detergents fortified with builders and solvents for a thorough cleaning action. Dual-action deodorization works by both cleaning away "chemical" sources of odors and by killing residual bacteria which could continue to generate "biological" malodors.

This concentrated product is stable over long periods of time. The use-dilution solution is its own indicator of germicidal activity; as long as it retains its initial amber color, rapid and effective germicidal action is assured.

BACTERICIDAL: Kills the species Pseudomonas aeruginosa, Salmonella choleraesuis, and Staphylococcus aureus at 1 1/5 fl oz/gal (9% L; :108 dilution; 75 ppm active iodine) in water when tested by the AOAC Use-dilution method.

FOR USE IN: Industrial, institutional, commercial, and medical settings, such as hospitals, nursing homes, ambulances, doctor's & dentist's offices, veterinary offices & animal hospitals, laboratories, morgues, zoos, schools, restaurants & cafeterias, taverns & bars, Federally inspected meat and poultry plants, other food processing plants, and around swimming pools.

FOR USE ON: Hard, non-porous, acid-resistant surfaces such as toilet seats, bathtubs, wash basins, floors, walls, outdoor/portable toilets. Also for veterinary and zoo use in kennels and animal cages.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes eye and skin damage. Do not get in eyes, or on skin or clothing. Wear goggles and rubber gloves when handling. Harmful or fatal if swallowed. Do not taste or swallow. Avoid breathing vapors. Wash thoroughly with soap and water after handling. Promptly remove any contaminated clothing and wash it before reuse.

Do not contaminate drinking water, foods/drinks/feeds, nor utensils or other surfaces that they may contact.

STATEMENTS OF PRACTICAL TREATMENT (FIRST AID) GENERAL: IMMEDIATELY follow directions below AND call a Poison Control Center (or physician or emergency department). Always get quick medical attention for ANY ill effects which continue (or show up later).

IF IN EYES: Flush eyes with plenty of water while removing any contact lenses, then hold eyelids open and flush eyes with water for 15 minutes. Get medical attention.

IF ON SKIN, CLOTHING, ETC.: Remove any contaminated clothing, shoes, jewelry, etc. (clean them thoroughly before wearing), and wash affected skin with soap and water.

IF SWALLOWED: Immediately (for conscious victim) rinse mouth with water, spit out rinse. (Do not drink a glassful or more of water. Do not induce vomiting unless recommended by medical personnel. Avoid alcohol. Get medical attention.

NOTE TO PHYSICIAN: Contains Hydrochloric and Phosphoric acids; possible mucosal damage may contraindicate the use of gastric lavage. Medication may be needed against circulatory shock, respiratory depression, and convulsions.

(continued on right panel)

HY-O-DINE IODINE GERMICIDE

HOSPITAL-TYPE AND BROAD-SPECTRUM DISINFECTANT AND ANTIMICROBIAL AGENT

POWERFUL • CONCENTRATED CLEANS • DISINFECTS • DEODORIZES

KILLS MOST PATHOGENIC BACTERIA AND HELPS IN REDUCING THE SPREAD OF GERMS VIA ENVIRONMENTAL SURFACES

JUN 4 1990

Order the Federal Register... as amended, for the product's registration under EPA Reg. No. 334-144

Table with 2 columns: INGREDIENT and Percentage. ACTIVE INGREDIENT: Iodine\* 0.875%. INERT INGREDIENTS 99.125%. TOTAL 100.000%.

\*From Nonylphenacylpolyethoxyethanol-iodine complex.

KEEP OUT OF REACH OF CHILDREN. DANGER

SEE ADDITIONAL PRECAUTIONARY AND PRACTICAL TREATMENT (FIRST AID) STATEMENTS ON LEFT PANEL.

EPA Reg. No. 334-144

EPA Est. No. 334-IL-1

MANUFACTURED BY hysan CORPORATION

OTHER LOCATIONS Waco, TX 76712 Blue Island (Chicago), IL 60408 Cartersville (Atlanta), GA 30120

NET 1 GAL (3.78 L)

Hysan Product Name: HYODINE 87 Hysan Product #: 13860-01-X-XX-XXXXX Disk Volume: 058 (L); Filename: A13860-01 EPA; Date Last Revised: 84-02-90 Product File Name at EPA: Hy-D-Dine X X X Iodine Germicide (.87% available iodine)

Approval checkboxes: [ ] HYSAN LARA APPROVAL - by: \_\_\_\_\_ Date: \_\_\_\_\_ [ ] HYSAN R&D APPROVAL - by: \_\_\_\_\_ Date: \_\_\_\_\_ [ ] HYSAN SALES APPROVAL - by: \_\_\_\_\_ Date: \_\_\_\_\_

It is a v manner GENERAL with am tant sel reduces by diff mL/L) v 75 ppm should notices made or directed solution. F. increased least 10 possible surface possible FOR CL normal steps. when ne Apply u sprayer sion. A with wa FOR BR Apply h on, or l plenty v FOR BR INSTRU Masks, also in Procedure or spr face/Re hollow air bubb

GENERAL water/l dispos wrap or STORA materials talmer l cessible heat, d sparks Keep it DISPO If there of new:

EPA Re

(SEE ADDITIONAL COPY ON BACK.)

NOTE: Labels are alternate Storage and Disposal statements for containers.  
Labels show 1 gal.

#### STORAGE AND DISPOSAL

**GENERAL:** Do not contaminate other materials (including water/food/feed) during transport, use, storage, and disposal. If damaged, leaking, or spilled, dispose of as below.

**STORAGE:** Fumes are corrosive to many metals and other materials. Keep in upright, tightly closed original container in a cool, dry, well-ventilated, locked area inaccessible to children and away from sources of ignition, heat, degradation, and contamination (including flames, sparks, hot surfaces, sunlight, and other chemicals). Keep from freezing.

**PESTICIDE 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 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 puncture and dispose of in a sanitary landfill, or by other procedures approved by State and Local authorities. Rinsed plastic & paper-reinforced plastic containers may also be disposed of by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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2-28-64