

PM 32 334-144 4/11/90 1/1

(Check with LARA Office before adding the USDA statement below.)

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

BEST AVAILABLE COPY

# 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

ACCEPTED  
with COMMENTS  
by EPA Letter Dated

JUN 4 1990

MAY 4 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 334-144

100.000%

ACTIVE INGREDIENT:

Iodine\*  
INERT INGREDIENTS  
TOTAL

\*From Nonylphenoxypolyethoxyethanol-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**<sup>®</sup>  
CORPORATION

MAIN OFFICE CHICAGO, IL 60609

OTHER LOCATIONS: Waco, TX 76712  
Blue Island (Chic), IL 60406  
Cartersville (Ala), GA 30120

## NET 1 GAL (3.78 L)

Hysan Product Name: **HYODINE 87**

Hysan Product #: **13860-01-X-XX-XXXX**

Disk Volume: 850 (L); Filename: A13860-01 EPA; Date Last Revised: 04-02-90

Product File Name at EPA: Hy-O-Dine X X X Iodine Germicide (.87% available iodine)

HYSAN LARA APPROVAL by: \_\_\_\_\_ Date: \_\_\_\_\_

HYSAN R&D APPROVAL by: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_

(continued from left panel)

### DIRECTIONS FOR USE

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

**GENERAL INSTRUCTIONS:** Do not use in combination with any other cleaner, disinfectant, or soap. Disinfectant solutions should not be made with hard water; it reduces germicidal activity. Make a use-dilution solution by diluting 1 1/5 fl oz of this concentrate to 1 gal (9 1/2 mL/L) with fresh, clean water. This gives approximately 75 ppm of titratable iodine. This use-dilution solution should be prepared fresh daily, or whenever there is a noticeable change from the initial color of the freshly-made solution. First clean surface/item thoroughly as directed below. Previously-used or contaminated solutions may be reused for cleaning, but not for disinfecting. For complete disinfection, surface/item must be immersed or in contact with disinfectant solution for at least 10 minutes at approximately 20°C (68°F). To avoid possible corrosive effects of residual material, flush off surface/item with potable (drinking) water whenever possible after treatment.

**FOR CLEANING/DEODORIZING SURFACES/ITEMS:** Use normal cleaning procedures, including pre-cleaning steps, such as scraping, scrubbing, or other methods when necessary to remove gross filth and other build-up. Apply use-dilution solution with a cloth, towel, sponge, sprayer, cleaning machine, other applicator, or by immersion. After cleaning, thoroughly flush off surface/item with water.

**FOR DISINFECTING/DEODORIZING CLEAN SURFACES:** Apply fresh use-dilution solution by wiping or spraying on, or by immersion. Make sure surface/item is completely wetted.

**FOR DISINFECTING/DEODORIZING CLEAN SURGICAL INSTRUMENTS (Hospital Equipment, Rubber Gloves, Masks, Rubber Sheets, Thermometers, and Catheters; also for Isolation Units and Terminal Disinfection Procedures):** Apply fresh use-dilution solution by wiping or spraying on, or by immersion. Make sure surface/item is completely wetted. Flush and fill lumen of hollow instruments/equipment, avoiding entrapment of air bubbles.

### STORAGE AND DISPOSAL

**GENERAL:** Do not contaminate other materials (including water/food/feed) during transport, use, storage, and disposal. If damaged, leaking, or spilled, soak up and trap in waste. Then 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.

**DISPOSAL:** Do not reuse empty original container. Rinse thoroughly with water, securely wrap in several layers of newspaper, and discard in trash.

EPA Reg. No. 334-144

EPA Est. No. 334-IL-1

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OTHER LOCATIONS: Waco, TX 76712  
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Cartersville (Alabama), GA 30120

(SEE ADDITIONAL COPY ON BACK.)

### 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 1/2 mL/L; 1:106 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. 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 indicate the use of gastric lavage. Symptoms may be related against circulatory shock, respiratory depression, convulsions.

(continued on right panel)