

HS-451 Disinfectant/Sanitizer (50%)

APR 10

H&S Chemicals Division
970 East Tipton Street
Huntington, IN 46750

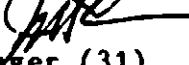
This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) and FIFRA section 4 when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product.
2. Add the phrase "EPA Registration No. 47371-161" to your label before you release the product for shipment.
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.

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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.

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

Enclosures

BEST AVAILABLE COPY

41271-161

HS-451

BEST AV

DISINFECTANT/SANITIZER (50%)

For disinfecting/sanitizing pre-cleaned hard, non-porous surfaces in nursing homes, schools, office buildings, farms, restaurants, bars, beverage plants, and federally inspected meat and poultry establishments.

Effective against the representative gram-positive pathogen *Staphylococcus aureus*, the representative gram-negative pathogen *Salmonella choleraesuis*, and the representative hospital pathogen *Pseudomonas aeruginosa*.

ACTIVE INGREDIENTS:

n-Alkyl (C₁₂, 50%, C₁₄ 40%, C₁₆ 10%)

dimethyl benzyl ammonium chloride 50.0%

INERT INGREDIENTS: 50.0%

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND ANIMALS

Corrosive. Causes eye and skin damage. Do not get in eyes or on skin. Wash contaminated clothing before reuse. 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 immediately. If swallowed, drink promptly a large quantity of gelatin solution or, if this is 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.

For use in federally inspected meat and poultry establishments as a sanitizer not requiring a rinse. Apply 1/4 ounce product (200 ppm active quat) per 5 gallons of water for a 1 minute contact time. When solution becomes visibly dirty, discard and provide fresh solution. Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected. A potable water rinse is not required following use of this compound on previously cleaned hard surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains.

To sanitize previously cleaned food grade eggs in shell egg and egg product processing plants, spray with 1/4 ounce product per 5 gallons of water (200 ppm active quat) for 1 minute. The solution should be warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs sanitized with this product shall be subjected to a potable water rinse only if they are to be immediately broken for use in the manufacture of egg products. Eggs should be reasonably dry before casing or breaking. The solution should not be re-used for sanitizing eggs.

EPA REG NO. 47371-

EPA EST. NO. 47371-IN-01

Net Contents _____

H&S CHEMICALS DIVISION
970 EAST TIPTON

HUNTINGTON, IN
HUNTINGTON, IN 46750

DIRECTIONS FOR USE

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

DILUTION INSTRUCTIONS

For sanitizing at 200 ppm, add and stir 1/4 ounce (1/2 tablespoonful) of HS-451 50% in 5 gallons of water.

For use as a disinfectant at 800 ppm, add and stir 1 ounce (2 tablespoonful) of HS-451 50% in 5 gallons of water.

FOR DISINFECTING:

USES: Floors, walls, metal surfaces, painted surfaces, exterior bowl surfaces, empty basins, showers, athletic equipment, garbage cans, lavatory fixtures and other hard inanimate non-porous surfaces.

APPLICATION:

Pre-clean all surfaces prior to disinfection. Then thoroughly wet surfaces with the required dilution. The solution can be applied with a cloth, mop, sponge, or trigger sprayer, or by soaking. Let solution remain on the surface for a minimum of 10 minutes. Rinsing is not necessary unless used on food contact surfaces or floors to be waxed or polished. Prepare a fresh solution daily or when solution becomes visibly dirty.

FOR POULTRY/SWINE HOUSE DISINFECTING:

1. Remove all poultry and feeds from premises, trucks, coops and crates.
2. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate surfaces with the recommended disinfecting solution for a period of 10 minutes.
6. Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried.
7. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

All treated equipment that will be in contact with food or drinking water must be rinsed with potable water before using.

FOR SANITIZING:

For use on hard non-porous surfaces such as counter tops, eating utensils, and drinking glasses. Pre-clean all surfaces prior to sanitizing then thoroughly wet surfaces with a solution of 1/4 ounce product per 5 gallons of water. Let the solution remain on surface for a minimum of 1 minute. The solution can be applied with a mop, sponge or cloth as well as by soaking. The recommended use solution is prepared fresh for each use then discarded. Drain thoroughly. Do not rinse.

STORAGE TANK SANITIZING: Recommended for sanitizing beer fermentation and holding tanks. A solution of 200 ppm should be applied with automated cleaning systems. Drain thoroughly. Do not rinse. For mechanical operations or automated systems, the used sanitizing solution may not be reused for sanitizing, but may be reused for other purposes such as cleaning.

RESTAURANT A
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water) for at least 1

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luke warm water.
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with equipment for
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removal of flavors,
the system should b
for at least 1 minute

SANITARY FILL
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final rinse water line
ppm. A sanitizing
external application

STO

This product must
inaccessible to child

PROHIBITIONS

Do not contaminate
dumping is prohibi

PESTICIDE DISP

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pesticide, spray min

wastes cannot be di

your State Pesticide

Waste representative

CONTAINER DIS

PLASTIC CONTA

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state and local sub

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of liner in a sanitary

authority. If drums

same manner.

METAL CONTA

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puncture and dispo

approved by state a