

MAR 24 1992

West Agro, Inc.  
 1110 North Congress Avenue  
 Kansas City, MO 64153-1222

Attn: Richard Beach

Subject: Iosan Detergent Germicide  
 EPA Registration No. 4959-23  
 Your Amendment of October 4, 1991

Your amendment request to expand the use pattern of the subject product to include instructions for the sanitization of tanks, vats and food plant equipment has completed review and the following comments apply.

Product Chemistry

The revised Confidential Statement of Formula (CSF) agrees with the product label and is acceptable.

Product Efficacy and Labeling

- This formulation is cleared under 21 CFR Part 178.100 (b)(5) for use as a sanitizing rinse for food contact surfaces.

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

- Indicate under each use pattern on the label that a fresh sanitizing solution should be prepared at least daily or more often if the solution becomes diluted or soiled. (Refer to DIS/TSS-17, copy enclosed.)

CONCURRENCES

SYMBOL	H32-11							
SURNAME	Richard Beach							
DATE	MAR 24 1992							

If you should have any questions concerning this letter, you may call Robert Travaglini on (703) 305-6909.

Sincerely,



Ruth G. Douglas  
Product Manager (32)  
Antimicrobial Program Branch  
Registration Division (H7504C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

FOR AGRICULTURAL AND INDUSTRIAL USE ONLY

# IOSAN DETERGENT/GERMICIDE

### ACTIVE INGREDIENTS:

Iodine*	1.75%
Phosphoric Acid	15.95%
<b>INERT INGREDIENTS:</b>	<b>82.30%</b>
<b>Total</b>	<b>100.00%</b>

\* From Nonylphenoxy poly (ethyleneoxy) ethanol-iodine complex and Polypropoxy polyethoxy ethanol-iodine complex

## KEEP OUT OF REACH OF CHILDREN DANGER

### PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals.  
Danger. Corrosive. Causes eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles and rubber gloves when handling. Harmful or fatal if swallowed. Wash thoroughly with soap and water after handling.

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Drink promptly a large quantity of water. Do not induce vomiting. Avoid alcohol. Get medical attention.

**IF IN EYES:** Flush with plenty of water for at least 15 minutes. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

Note to Physician. Probable mucosal damage may contraindicate the use of gastric lavage.

### ENVIRONMENTAL HAZARDS

Keep out of lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of wastes.

EPA REG. NO. 4959-23  
EPA EST. NO. 4959-IL-01

NET CONTENTS:  
LOT NUMBER:

**ACCEPTED** Made in USA  
**with COMMENTS**  
in EPA Letter Dated:

MAR 24 1992

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, No.

4959-23

## STORAGE AND DISPOSAL

**Storage:** Keep container closed when not in use. Do not store below 20°F or above 100°F for extended periods.  
**Disposal:** Do not contaminate water, food or feed by storage or disposal, or cleaning of equipment. In case of spill, flood area with large quantity of water, washing to sewer or collection vessel. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Do not reuse empty container. Triple rinse, puncture and dispose of container in a sanitary landfill or by incineration.

IOSAN DETERGENT/GERMICIDE IS A CONCENTRATED MANUAL DETERGENT-GERMICIDE TO BE DILUTED IN WATER. AN IOSAN DETERGENT/GERMICIDE SOLUTION CAN BE USED FOR SANITIZING EQUIPMENT AND UTENSIL SURFACES IN THE FOOD, DAIRY AND BEVERAGE INDUSTRIES. IOSAN DETERGENT/GERMICIDE CAN BE USED FOR SANITIZING DAIRY EQUIPMENT AND UTENSILS.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is regulated by the U.S. Food & Drug Administration under the Food Additives Regulation for use on food processing equipment and utensils up to 25 ppm titratable iodine without requiring a rinse with potable water.

IOSAN Detergent/Germicide is its own indicator of germicidal activity. The amber or yellow color shows the presence of the active ingredient - iodine. When color fades, prepare a fresh solution. IOSAN Detergent/Germicide is not adversely affected by water hardness or cold water.

### EQUIPMENT SANITIZING:

- To pre-clean equipment, wash with cold or lukewarm water with a solution of 1 ounce IOSAN Detergent-Germicide to 5 gallons water.
- Rinse with potable water.
- To sanitize, spray or immerse equipment with a fresh solution of 1 ounce IOSAN Detergent/Germicide to 5 gallons cold or lukewarm water (provides 25 ppm titratable iodine).
- Allow for a one minute contact time.
- When ready to use, drain off sanitizing solution.

### TANK AND VAT SANITIZING:

- Pre-clean with 1 ounce IOSAN Detergent/Germicide to 5 gallons water (not hot).
- Rinse with potable water.
- To sanitize, spray or fill vat with 1 ounce IOSAN Detergent/Germicide to 5 gallons water (provides 25 ppm titratable iodine).
- After 5 minutes, drain off solution.

## FOR SANITIZING UTENSILS:

- Wash the equipment with **KLEENITE®** Super Kleenite instructions.
- Prepare a solution of 1 ounce Detergent/Germicide to 5 gallons water. This provides 25 ppm iodine.
- Immerse equipment and utensils in solution. A one minute contact time is recommended.
- For equipment used in food processing, a 25 ppm iodine solution is recommended.
- Allow solution to remain on surfaces.
- Prepare a fresh solution frequently if solution becomes diluted.

## FOR MILKSTOOLS:

- Should yellow on first use of solution, mill solution.
- Remove it with a fresh solution. Make a fresh solution of IOSAN Detergent/Germicide to 5 gallons water over surface.
- Wait 2-3 minutes before rinsing with potable water.

## FOR USE AS A DETERGENT:

- Prepare a solution of 1 ounce Detergent/Germicide to 5 gallons lukewarm water. This provides 25 ppm iodine.
- Dip a single surface and wash thoroughly.
- For stripping, use a solution of 1 ounce Detergent/Germicide to 5 gallons water.
- Dry treat with a solution of 1 ounce Detergent/Germicide to 5 gallons water.
- Prepare a fresh solution frequently if solution becomes diluted.

Super Kleenite is

**BEST AVAILABLE COPY**