

**DIRECTIONS FOR USE**

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

**Iodex GS/25** is especially formulated for use by the bottling, beverage and food processing industries, as well as milk and ice cream processing plants to insure sanitary filling procedures, sanitizing filters, syrup lines, tanks, etc.

**Iodex GS/25**, when used continuously as a sanitizing spray on walls, conveyors, equipment and floors, will sanitize surfaces and reduce or eliminate odors throughout the processing area. **Iodex GS/25** may be used as a sanitizer at 12 1/2 to 25 ppm titratable iodine throughout milk and ice cream processing areas and on filling equipment to reduce or eliminate E. Coli which are usually associated with condensation found on equipment, pipes, etc. In addition, continual use of **Iodex GS/25** as a sanitizer at 25 ppm will prevent the formation of milk stone on processing equipment.

**Iodex GS/25** may be used at 25 ppm as a sanitizer in frozen and fresh-pack processing plants, and is effective in reducing cross-contamination. **Iodex GS/25** proportioned into pre-rinse of non-returnable bottles and final rinse of returnable bottles at 4 to 6 ppm will produce a final sanitized bottle.

**Iodex GS/25** is not adversely affected by common water hardness or low temperatures.

Follow your state and local Health Department requirements for sanitizing food processing equipment. For sanitizing equipment in meat, poultry, rabbit and egg processing plants, clean surfaces with detergent wash and rinse with potable water. Final rinse with a solution of 1 ounce of **Iodex GS/25** and 13 gallons of water, allow a one minute contact time.

On pre-cleaned food contact surfaces WWW is affective against *Salmonella choleraesuis*, *Listeria monocytogenes* and *Escherichia coli*, 0157:H7, Hemorrhagic.

NOTE: **Iodex GS/25** IS A CONCENTRATE AND MUST BE DILUTED BEFORE USE. Do not mix **Iodex GS/25** with hot water. Use cool or tepid water only.

For sanitizing and disinfecting exterior portions of the equipment, thoroughly wet and scrub surface with a solution of 2 oz. **Iodex GS/25** to 13 gallons of water. Rinse before use.

USE DILUTION TABLE

<u>IODEX GS/25</u>	<u>WATER</u>	<u>TITRATABLE IODINE</u>
2 oz.	13 gallons	50 ppm
1 oz.	13 gallons	25 ppm
1 oz.	30 gallons	10 ppm

NOTE: **Iodex GS/25** is recommended for use in stainless steel equipment only.

**FOR USE IN PLANTS**

**SOFT DRINK IN-PLACE SANITIZING**

For one-step in-place sanitizing of bottling or pre-mix dispensing equipment, thoroughly rinse equipment with cold or lukewarm water. Fill equipment with a solution of 1 oz. **Iodex GS/25** to 13 gallons of water (25 ppm titratable iodine). Allow the solution to remain in contact with equipment until operations resume, at least one minute. Drain sanitizing solution from the system. To insure the thorough removal of flavors, it is suggested that during change-over between products, the system should be flushed with a sanitizing solution of **Iodex GS/25**. Rinse thoroughly with water before the use of sanitizing solution (1 ounce of **Iodex GS/25** to 13 gallons of water). For sanitizing and disinfecting exterior portions of the equipment, thoroughly wet and scrub surface with a solution of 2 oz. of **Iodex GS/25** to 13 gals of water. Rinse before use.

**SANITARY FILLING**

**Iodex GS/25** is recommended for use in sanitizing bottles and cans in the final rinse application. **Iodex GS/25** is proportioned into the final rinse water line of the container washer or rinser in concentration of 8 to 12 ppm. The exact concentration required will be determined by local conditions. Allow one minute contact time. A **Iodex GS/25** solution containing 20 to 25 ppm should be use in an external spraying application for the filler and closing machine. **Iodex GS/25** is also recommended for use in the internal filler sanitation program.

**STORAGE TANK SANITIZING**

**Iodex GS/25** is recommended for sanitizing beer fermentation and holding tanks. A solution of 20 to 25 ppm should be applied by spraying or used in combination with automated cleaning systems. A final fresh-water rinse is not recommended.

FOR INDUSTRIAL USE ONLY

# IODEX GS/25

## GERMICIDE SANITIZER

Made in U.S.A.

**Active Ingredients:**

Iodine*	3.50%
Phosphoric Acid	24.70%
Inert Ingredients:	71.80%
Total	100.00%

\*From Polyethoxyl polypropoxy polyethoxy ethanol-iodine complex

## KEEP OUT OF REACH OF CHILDREN

# DANGER

### FIRST AID STATEMENT

**IF IN EYES:** Hold eye open and rinse slowly and gently for with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes. Then continue rinsing. Call a Poison Control Center or doctor for treatment advice.

**IF ON SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 -20 minutes. Call a Poison Control Center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency treatment information.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 4959-36-46269

EPA Est. No. 46269-DE-01

**NET CONTENTS: 15-55 GALLONS**

**EXP. DATE: MM/YYYY**

Lot #: IGS25XXXXXX

U.S. Patent No. 3,650,965



1500 EASTLAWN AVENUE • WILMINGTON, DE 19802

TEL: 302-761-2600 FAX 302-761-2611

SALES OFFICE : 1-800-424-2436

**Iodex GS/25** cleans and brightens cans.

**Iodex GS/25** helps reduce the growth of microorganisms in retort cooling water.

**Iodex GS/25** should be added to the retort cooling water in sufficient quantity to maintain 0.1 to 0.5 ppm titratable iodine at the discharge side. To reach this level of iodine, an initial concentration of 5 ppm titratable iodine is recommended (1 oz. of **Iodex GS/25** to 55 gallons of water.) The amount of **Iodex GS/25** required will depend on the organic load and the alkalinity of the water. A suitable iodine test kit, capable of measuring titratable iodine in the range of 0.1 to 0.5 ppm, should be used to check iodine levels

**FOR USE IN DAIRIES**

**MILKING CLAW SYSTEM:**

For use through claws between milking each cow. Helps reduce microorganisms on liners which may cause mastitis.

1. Pre-rinse thoroughly with potable water or a thoroughly mixed solution containing 1 oz. of **Iodex GS/25** per 13 gallons of water. This solution provides 25 ppm titratable iodine.

2. Flush system with a thoroughly mixed solution containing 1 oz. of **Iodex GS/25** per 13 gallons of water. Allow at least one minute contact time.

3. Thoroughly drain system.

**WASH DOWN HOSES**

For general cleaning in the milking parlor use a thoroughly mixed solution containing 1 oz. of **Iodex GS/25** per 13 gallons of water. Thoroughly rinse down all surfaces

**IMPORTANT:** Follow State and local Health Department requirements for sanitizing milking equipment.

**FOR USE AS AN UDDERWASH**

To clean cow's teats prior to milking, use a well mixed solution containing 1 oz. of **Iodex GS/25** per 13 gallons of water. Wash teats and flanks thoroughly, and then dry with a clean, single service paper towel.

Important: Follow State and Local Health Department requirements for sanitizing milking equipment.

### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**Danger.** Corrosive. Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through the skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Wear goggles or face shield. Wear protective clothing and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**PHYSICAL AND CHEMICAL HAZARDS:** Mix only with water following label directions. Do not mix with chlorinated cleaners and sanitizers. Toxic chlorine gas will be formed. Contact with soft metals may generate hydrogen gas. Do not use or store near heat or open flames.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

### STORAGE AND DISPOSAL

**PESTICIDE STORAGE:** Keep container closed when not in use. Do not store below 0°F for extended periods.

**PESTICIDE DISPOSAL:** Do not contaminate food, water, or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide wastes 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:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or recondition, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, burning. If burned, stay out of smoke.