

FIVE STAR CHEMICALS IO-STAR

A low foaming iodophor for sanitizing in the beer-bottling, soft drink-bottling, milk-bottling, and food-canning industries.

❖ ***BENEFITS***

- ❖ Easy to use
- ❖ Economical dilution ratio
- ❖ Controls water hardness
- ❖ Self-indicating

❖ ***DESCRIPTION***

IO-STAR is formulated for use by the bottling, food processing, and milk industry. When used continuously as a sanitizing spray on walls and equipment it will reduce or eliminate odors throughout the processing area. IO-STAR is effective against e coli and s s typhosa as well as most mold and yeast.

❖ ***PROPERTIES***

APPEARANCE.....DARK BLUE to BLACK
 ODOR.....TYPICAL IODINE
 pH @ 1 ounce per 5 gallons.....2.2
 AvI₂ @ 1 ounce per 5 gallons.....25 ppm
 FOAM.....MODERATE

❖ ***COMPLIANCE***

IO-STAR is a registered pesticide by the EPA. A potable water rinse is not required after each use, when used at or under 25 ppm.

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❖ *GENERAL USE DIRECTIONS*

Fresh sanitizing solution should be prepared daily or more often if the solution becomes diluted or soiled.

DILUTION TABLE:

1 ounce IO-STAR / 10 gallons water=12.5 ppm AvI_2

1 ounce IO-STAR / 5 gallons water=25 ppm AvI_2

2 ounces IO-STAR / 5 gallons water=50 ppm AvI_2

CIP SANITIZING: Use 25 ppm IO-STAR to flood lines and circulate in tanks. After 5 minutes contact, drain off solution. Do not rinse. Use 12.5 ppm IO-STAR in lines and equipment when a slight sanitizing solution is desired between filling operation. After 10 minutes contact, drain off solution. A potable water rinse is not required after use.

EQUIPMENT SANITIZING: To pre-cleaned equipment, circulate with cold or lukewarm water with a solution of 1 ounce IO-STAR to 5 gallons water. Rinse with potable water.

To sanitize, spray or immerse equipment with a fresh solution of 1 ounce IO-STAR to 5 gallons cold or lukewarm water (provides 25 ppm titratable iodine). Allow a one minute contact time. When ready to use, drain sanitizing solution.

TANK AND VAT SANITIZING: Pre-clean with 1 ounce IO-STAR to 5 gallons water (not hot). Rinse with potable water. To sanitize, spray or fill vat with 1 ounce IO-STAR to 5 gallons water (provides 25 ppm titratable iodine). After 5 minutes, drain off solution.

SANITATION OF WALLS, FLOORS, CONVEYORS, AND OTHER SIMILAR SURFACES:

Pre-clean surface by scraping or flushing to remove soil. Then thoroughly clean with a solution 2 ounces of IO-STAR to 5 gallons of water. Rinse with potable water. Sanitize with a solution containing 1 ounce of IO-STAR to 5 gallons of water (provides 25 ppm titratable iodine). Allow 2 minutes contact time. Do not rinse.

SANITIZING OF BEVERAGE CONTAINERS:

To sanitize previously cleaned beverage containers, which were first washed in detergent and rinsed, use a solution containing 1 ounce IO-STAR to 5 gallons of water (provides 25ppm titratable iodine). Allow for a one minute contact time. Invert containers, drain and allow to air dry.

❖ *SAFETY*

DANGER: Avoid contact with food. Causes moderate eye injury. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

FIRST AID:

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

If Swallowed: Call Poison Control Center or doctor immediately for treatment advice. Have person sip on a glass of water if able to swallow. Do not induce vomiting unless told to do so by the Poison Control doctor. Do not give anything to an unconscious person.

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If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Poison Control Center for treatment advice.

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.

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

Store this product in a cool dry area. Do not allow it to freeze.

Rev. 06/03