STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal.
Product Storage: Store in a cool, dry, well-ventilated location away from acids, chlorine and chlorine compounds, hygroscopic (bleach), organic solvents, sulfur and sulfide compounds, phosphorus, combustible/flammable materials, and direct sunlight. Keep containers tightly closed when not in use and open carefully to prevent spillage. Storage on wooden floors and pallets is not recommended.
Container Disposal: Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into applications equipment or a mix tank and drain for ten seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.
Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

PRECAUTIONARY STATEMENTS
Hazard to Humans & Domestic Animals. Harmful if swallowed. May cause eye irritation. Avoid contact with eyes.

FIRST AID
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 further treatment advice.
IF ON SKIN OR CLOTHING: 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 IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Have product container or label with you when calling a poison control center or doctor or going for treatment.

For 24 hour emergency information on this product call NPIC at 1-800-558-7376 (U.S., Canada, Puerto Rico, Virgin Islands) or 1-703-527-3887 (all other areas)

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public 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.

OXINE® (FP)
SANITIZER
BACTERIOSTAT/DEODORIZER
ACTIVE OXINE
DISINFECTANT
FUNGICIDAL-BACTERICIDAL

This product can be used in Federally Inspected Meat and Poultry Facilities

OXINE Solutions are Non-volatile
OXINE Destroys Odors at the Bacterial Origin

Active Ingredient: Chlorine Dioxide 2%
Inert Ingredients 98%
TOTAL 100%

GUARANTEED SHELF-LIFE
NON-FLAMMABLE
LOW CORROSION

FOOD PROCESSING PLANTS • BOTTLING PLANTS • INDUSTRIAL USE

KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

STORE IN COOL DARK PLACE • KEEP FROM FREEZING

E.P.A. Reg. No. 9804-1
E.P.A. Est. No. 9804-OK-1

Bio-Cide International, Inc.
Norman, Oklahoma 73070
800.323.1398
www.bio-cide.com

NET CONTENTS: 1 gallon
PROPER ACTIVATION OF OXINE® MEASURE out the desired volume of Oxine® concentrate into a clean vessel in a well ventilated area. ADD the required amount of activator acid, stir and allow to dissolve for five minutes. Avoid breathing any fumes that may be produced. After five minutes, DILUTE with clean water to your desired final concentration.

<table>
<thead>
<tr>
<th>CONCENTRATION</th>
<th>QUARTS PER 5 GALLONS</th>
<th>CITRIC ACID ACTIVATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 PPM</td>
<td>0.18 fl oz (7.5 g)</td>
<td>0.5 g</td>
</tr>
<tr>
<td>20 PPM</td>
<td>0.64 fl oz (25 g)</td>
<td>2.0 g</td>
</tr>
<tr>
<td>100 PPM</td>
<td>3.20 fl oz (125 g)</td>
<td>10.0 g</td>
</tr>
<tr>
<td>500 PPM</td>
<td>16.0 fl oz (500 g)</td>
<td>50.0 g</td>
</tr>
</tbody>
</table>

PROPER DILUTION OF OXINE®

<table>
<thead>
<tr>
<th>CONCENTRATION</th>
<th>Quart Fl. oz per g</th>
<th>Per Gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 PPM</td>
<td>0.032 fl oz</td>
<td>0.125 g</td>
</tr>
<tr>
<td>20 PPM</td>
<td>0.125 fl oz</td>
<td>0.50 g</td>
</tr>
<tr>
<td>100 PPM</td>
<td>0.64 fl oz</td>
<td>2.50 g</td>
</tr>
<tr>
<td>500 PPM</td>
<td>3.2 fl oz</td>
<td>12.5 g</td>
</tr>
</tbody>
</table>

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Directions for Use:

In Food Processing Plants such as Poultry, Fish & Meat and in Restaurants, Dairies, Bottling Plants and Breweries: As a terminal sanitizing rinse for stainless steel and other hard nonporous food contact surfaces such as tanks, transfer lines, recirculation and clean in place (CIP) systems and other food processing equipment in accordance with 40 CFR 180.940 (b)(6).

1. At gross food particles and soil should be removed prior to sanitizing by use of a pre-flush, pre-scrub or pre-soak treatment.
2. Clean tank, line, or surface thoroughly using a suitable detergent and rinse with clean potable water before sanitizing.
3. Preparation of sanitizing solutions: Prepare an activated working solution containing 50 to 200 ppm available chlorine dioxide and combine with Citric acid according to the activated solution chart by using a stirrer or agitation equipment. 4. To apply, fill, flush, immerse, circulate or spray tank, line, equipment or food contact surface with active solution making sure surface area is thoroughly wet for at least 1 minute after application. 5. After sanitizing, drain tank, line or equipment and allow to air dry. Fresh sanitizing solution should be made up daily or more often if solution becomes colored or cloudy.

To Disinfect Walls, Ceilings, and Floors:

1. Before disinfection, all gross material must be removed from areas to be disinfecting and thoroughly cleaned with a suitable detergent followed by a clean, potable water rinse. 2. Preparation of disinfecting solution: Prepare an activated working solution containing 500 ppm available chlorine dioxide according to the activation chart. 3. To apply, spray disinfectant solution onto surface to be disinfected, using a suitable spraying or fogging device and making sure that the area is thoroughly wet for at least ten (10) minutes. Active solutions may be irritating when breathed, therefore, always use an appropriate NIOSH/MSHA approved respirator appropriate for chlorine dioxide when spraying these solutions. After application, allow to air dry. Treat as required. Never reuse activated solutions.

To Control Odor and Slime Forming Bacteria Build-Up in Commercial Water Filtration Systems, Sand Beds, Gravel Beds and Charcoal Filters with ACCESSIBLE SERVICE HATCHES:

1. Drain all existing water from sand and carbon filters and rinse once with clean, potable water. Fill sand filter with potable water and adjust pH of water to 6.0 using citric acid or equivalent pH adjuster. 2. To prepare solution, measure out two (2) fl. oz., of Oxine® concentrate for each gallon of filter system volume (500 ppm available ClO₂) and add to the sand filter through access hatch. Fill system with clean, potable water and recirculate system 30 minutes. Allow system to soak two (2) to three (3) hours. 3. After treatment, drain system and rinse with clean, potable water until residue is no longer detectable using the Bio-Cide test kit and when pH is normal.

For Use as a Sanitizing Solution on Food Beverage Containers in Accordance with FDA FCN 787:

1. Preparation of sanitizing solution: Prepare an activated working solution containing 50 to 200 ppm available chlorine dioxide according to the activation and dilution chart of by using automated activation equipment. 2. To apply, fill, flush, immerse, or spray sanitizing solution into the container and adequately drain before filling.

To Control Build-Up of Slime and Odor Causing Bacteria and Enhance the Taste of Stored Potable Water:

1. Prior to treatment of potable water, thoroughly clean and disinfect the water storage system to ensure a sanitary condition. Thoroughly rinse with clean, potable water. Potable water should be treated at a rate of one (1) fl. oz. Oxine® per 30 gallons potable water (16 ppm available chlorine dioxide) and may be injected or batch treated. 2. Water storage tank should be sufficiently sealed to prevent outside contamination and direct sunlight. Using a Bio-Cide test kit, confirm the chemical level to be 5 ppm to see this level does not fall below 1 ppm.

To Control the Build-Up of Odor and Slime Forming Bacteria in Stainless Steel Transfer Lines and On-Line Equipment such as Hydro- coolers, Pasteurizers & the Like Overnight and Over Weekends:

1. Clean equipment or line thoroughly using a suitable detergent followed by a clean, potable water rinse before treatment. 2. Preparation of activated working solution containing 20 to 50 ppm available chlorine dioxide according to the dilution chart. Mix and fill lines and equipment overnight. Drain and allow to air dry just prior to next run start-up.

To Control Odor and Slime Forming Bacteria in Cooling and Warming Waters, Such as Chilling, Heating, Pasteurizing and Warming Waters, Used to Decrease or Increase Packaged Product Temperatures in OB Or BY SPRAYING OR HEATING TREATED WATER:

1. All tanks, tunnels, conveyor chains, heat exchangers, heat exchange towers, lines, spray bars, and nozzles should be thoroughly cleaned, when possible, and completely rinsed using clean, potable water prior to treatment. 2. Preparation of activated working solution containing 50 to 200 ppm available chlorine dioxide according to the dilution chart. 3. Optional activated solution - If heavy use of process water is expected or if slime build-up is extreme, an activated solution of Oxine® is recommended. Chill tanks, rinse tanks, lines, conveyors, and pumps can be treated at start up or at the end of the process cycle. Oxine® can be completely submerged or sprayed using the other injection system to produce a five (5) ppm available chlorine dioxide solution (see activation and dilution chart). 4. In order to assure accurate delivery, a 1:10 dilution of the (activated or unactivated) Oxine® concentrate should be made and a feed rate of three and one-quarter (3 1/4) fluid ounces per ton (10 g) of process water should be maintained. 5. Maintain proper pH levels and temperature, and discontinue when treats and vegetables follow with a potable water rinse.

For Use as a Lube Additive to Control Bacterial Slime and Odor on Moving Conveyors and Chains in Food Processing Facilities:

1. Prior to the application of the lube Oxine® mixture, all conveyors, lube lines, spray nozzle heads, conveyor surfaces, and other associated structures should be thoroughly cleaned and sanitized. 2. Oxine® should be added to the water dilution step of the lube system just prior to its injections into the distribution system. Addition of the Oxine® into the lube/water mixture should be at the rate of 0.64 fl oz to 1.28 fl oz per 10 gallons of lube mixture. This will result in a 50 ppm Oxine® lube/water solution. 3. For best results use with natural fatty acid, soap based lubricant products. For advice on lube compatibilities contact your Bio-Cide distributor.

To Control the Build-Up of Odor and Slime Forming Bacteria in Ice Making Plants and Machinery:

1. Ice making machinery should be disassembled and thoroughly cleaned using a suitable detergent followed by a potable water rinse. 2. Preparation and applications of solutions: the Oxine® solution should be applied to the cooling plate of the ice machine via a chemical feed pump or injector system. Prepare a non-activated working solution containing 20 ppm available chlorine dioxide according to the dilution chart.

To Sanitize Clean-Shell Eggs Intended for Food or Food Products:

1. Preparation of sanitizing solution: Prepare an activated working solution containing 100 to 200 ppm available ClO₂ according to the activation chart. To prepare a 200 ppm activated solution place 1.268 fl oz, of Oxine® concentrate per gallon of working solution into a clean plastic pail and add 3.8 grams (3 1/4 teaspoon) of Oxine® activator crystals or food grade citric acid of no less than 98% purity. Prepare in a well ventilated area. Allow five (5) minutes reaction time to allow crystals to dissolve completely. To this solution add one (1) gallon of clean potable water. 2. Spray eggs thoroughly with activated solution making sure surface area is thoroughly wet for at least one (1) minute and allow to drain. Solutions must be equal to or warmer than the eggs, but not to exceed 130 °F. 3. Eggs that have been sanitized with this chlorine dioxide concentrate may be broken to the manufacturer of egg products without a prior potable water rinse. Eggs must be reasonably dry before casing or breaking. Never reuse sanitizing solutions.