

# ZEP-I-DINE™

## BACTERICIDE • FUNGICIDE • VIRUCIDE\*



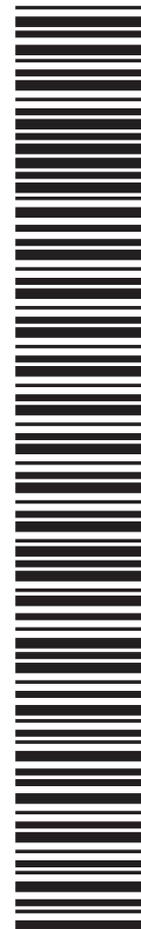
STATE OF HAWAII  
Department of Agriculture

**ACCEPTED**  
LICENSE NO. 9625.120

PROD. #1830  
0213K  
V.091011

Net Contents:  
**5 Gallons**  
**18.92 Liters**

1234567 2020



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#183035

Meets OSHA's Bloodborne Pathogens Act Requirements • For Industrial, Institutional and Agricultural Use • Authorized by USDA For Use in Federally-Inspected Meat, Poultry and Egg Processing Plants

**CONCENTRATED, BROAD SPECTRUM IODOPHOR FOR USE AS A ONE-STEP CLEANER-DISINFECTANT AND NO-RINSE SANITIZER IN:**

**Hospitals and Clinics • Food Processing Plants • Dental Offices • Hand Sanitizing in Food Plants • Schools and Institutions • Nursing Homes • Kitchens and Lunch Rooms • Restrooms**

### ACTIVE INGREDIENT:

Iodine*	1.75%
<b>INERT INGREDIENTS:</b>	<b>98.25%</b>
<b>TOTAL:</b>	<b>100.00%</b>

\*From alpha-(p-nonylphenyl)-omega-hydroxy poly (oxyethylene)-iodine complex.

**KEEP OUT OF THE REACH OF CHILDREN**

## DANGER

### PRECAUTIONARY STATEMENTS

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

**CORROSIVE.** Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Avoid contact with skin. Wear goggles or face shield. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes. Then continue rinsing. 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**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 INHALED:** Move person to fresh air. If person is not breathing, call 911 or 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 1-877-541-2016 for emergency treatment information.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

### 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 water 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.

Used as directed **ZEP-I-DINE** is effective in hard water (up to 400 ppm as CaCO<sub>3</sub>) and in 5% organic serum load against the following viruses, bacteria and pathogenic fungi: Polio 1\*, Vaccinia\*, Herpes Simplex Type 1\*, and Influenza A<sub>7</sub>/Japan 305\*, Hepatitis B: bactericidal against *Salmonella enterica*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *E. Coli*; fungicidal against *Trichophyton mentagrophytes* (the athlete's foot fungus).

**Zep-I-Dine** is effective against *Listeria monocytogenes* on pre-cleaned food contact surfaces.

Used in hard water (up to 400 ppm CaCO<sub>3</sub>), **Zep-I-Dine** is effective against the *HIV-1 Virus*\* on pre-cleaned environmental surfaces and objects previously soiled with blood or other body fluids. This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile area of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **Not for Residential Use.**

The color of a **ZEP-I-DINE** solution is proportional to the titratable iodine concentration. Prepare a fresh solution daily, or when there is a noticeable change in its rich amber color, or more often if the solution becomes diluted or soiled.

### ONE-STEP CLEANING AND DISINFECTING:

This product may be used to clean and disinfect operating areas, patient rooms, floors, walls, counter tops, rest rooms, shower areas, refuse containers, bed frames, morgues, laboratories, cafeterias, commercial freezers, animal rooms, cages and other hard, non-porous surfaces. Before applying disinfecting solution, food products and packaging materials must be removed from the room or carefully protected. Remove heavy soil deposits before applying the disinfecting solution. Using a solution of 3 ounces **ZEP-I-DINE** per 5 gallons of warm water (68°F, 20°C or warmer), immerse objects in disinfecting solution, or apply solution with a mop, sponge or cloth. Where appropriate, use a mechanical sprayer to produce coarse spray. Allow a 10 minute contact time with disinfecting solution. All food contact surfaces must be rinsed with potable water before reuse. Floors, walls and other non-food contact surfaces do not require rinsing before reuse.

**NOTE: When using Zep-I-Dine against the following viruses, bacteria and pathogenic fungi: Polio 1\*, Vaccinia\*, Herpes Simplex Type 1\*, and Influenza A<sub>7</sub>/Japan 305\*, Salmonella enterica, Staphylococcus aureus, Pseudomonas aeruginosa, and E. Coli; Trichophyton mentagrophytes in a solution of cold water (as low as 41°F, 5°C), increase use to 6 oz. per 5 gallons water.**

**KILLS HIV ON PRE-CLEANED, ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) associated with AIDS.

### SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 ON SURFACES AND OBJECTS PREVIOUSLY SOILED WITH BLOOD OR OTHER BODY FLUIDS.

**PERSONAL PROTECTION:** Clean up should always be done wearing protective latex gloves, gowns, masks, and eye protection. Specific barrier protection items to be used when handling times soiled with blood or bodily fluids are disposable gloves, gowns, masks, or eye coverings.

**CLEANING PROCEDURE:** Blood and other body fluids (containing HIV-1) must be thoroughly cleaned from surface and objects before application of this product. Thoroughly wet hard surfaces with a solution of 3 ounces Zep-I-Dine per 5 gallons of water. Completely immerse objects in the disinfecting solution; avoid entrapment of air bubbles. Allow at least 10 minutes contact time.

**CONTACT TIME:** This contact time will not control other common types of viruses and bacteria listed on this label. To be effective against Hepatitis B virus, a ten minute contact time is required.

**DISPOSAL OF INFECTIOUS MATERIAL:** Blood, body fluids, cleaning materials and clothing should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

**TO CLEAN AND DISINFECT TOILET BOWLS AND URINALS:** Flush Toilet. Add 1 ounce of **ZEP-I-DINE** directly to toilet bowl. Brush to cover all bowl surfaces including under the rim. Allow disinfectant to remain for at least 10 minutes. Flush toilet. Rinse metal parts with water after disinfecting to prevent corrosion.

### SANITIZING PREVIOUSLY CLEANED FOOD CONTACT SURFACES:

Sanitize previously cleaned and rinsed hard, non-porous surfaces such as glass, metal, plastic, and porcelain, with a solution containing 1 ounce of **ZEP-I-DINE** per 5 gallons of water. Immerse equipment with sanitizing solution and allow 1 minute contact time. Drain solution from equipment; do not rinse. **ZEP-I-DINE** used at 1 ounce per 5 gallons water contains 25 ppm titratable iodine and does not require a final rinse with potable water in accordance with Federal Food Additive Regulation 178.1010.

### SANITIZING GLASSES, DISHWARE, POTS, PANS, AND UTENSILS IN FOOD SERVICE OPERATIONS:

1. Pre-rinse or pre-scrape equipment and utensils. If needed, pre-soak to remove gross food particles and soil.
2. Wash equipment and utensils in lukewarm water that contains an adequate amount of a good detergent or cleaner. Keep this water clean by frequent changing.
3. Rinse equipment and utensils free of wash water prior to sanitization.
4. Sanitize equipment and utensils by immersing them in a solution of 1 ounce **Zep-I-Dine** per 5 gallons of lukewarm water provides 25 ppm titratable iodine. Allow one minute contact time or longer if required by local sanitation codes. Fresh solution should be prepared daily or more often if the solution becomes diluted or soiled. Use an approved iodine test kit to check for proper concentrations.
5. After required contact time of one minute or more, allow equipment and utensils to adequately drain. Do not rinse before use.

**HAND SANITIZING IN FOOD PROCESSING PLANTS:** Thoroughly wash and rinse hands before sanitizing. Dip or rinse hands in a solution containing 1 ounce of **ZEP-I-DINE** per 5 gallons of water. **ZEP-I-DINE** may be injected directly into wash or rinse water at a rate of 1 ounce per 5 gallons of water. A final potable water rinse is not required.

### USE DILUTION TABLE:

Zep-I-Dine/Water	Titratable Iodine
1 oz to 5 gallons	25 ppm
3 oz to 5 gallons	75 ppm
6 oz to 5 gallons	150 ppm

### STORAGE AND DISPOSAL

Keep container closed when not in use. Do not store below 25°F or above 100°F for extended periods.

**PROHIBITIONS:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture 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 promptly after emptying.

**5 GALLON CONTAINER-** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. 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 for two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities, burn container. If burned, stay out of smoke.

**CONTAINERS GREATER THAN 5 GALLONS-** 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 reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities, burn container. If burned, stay out of smoke.

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EPA Est. No. 1270-GA-1

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