



BACTERICIDE · VIRUCIDE · FONGICIDE ALGAECIDE · SPORICIDAL







Agriculture's Disease Control

A SAFE TO HANDLE, UNIQUE & PATENTED BIOTECHNOLOGY BASED, NON-HARSH, ENVIRONMENT FRIENDLY, BIODEGRADABLE, CERTIFIED FOOD CONTACT WITHOUT RINSING.







CLEANING AND DISINFECTING FOR SURFACES AND EQUIPMENTS

FARM PROCESSING PLANT

In agricultural buildings - Remove all animals from premises. Remove all litter and manure from floors, walls, and other surfaces of barns and equipment. Brush and blow dust from fans, motors, louvers and electrical equipment. For terminal cleaning and disinfection, saturate all surfaces with a 0.5% w/v solution of BIOXY ENVIRO®, using apressure washer or a fogger. BIOXY ENVIRO® should remain in contact with the surface to be disinfected for at least 10 minutes depending on pathogen to eliminate. Scrub heavily soiled utensils and soak in a 1% w/v solution of BIOXY ENVIRO® for 10 minutes.

FOOD PROCESSING PLANTS

Remove all debris and other deposits from surfaces. Then, thoroughly wet surfaces to be disinfected with a 0.5% w/v solution of BIOXY ENVIRO® using a mop, cloth, as well as by spraying. A minimum contact time of 10 minutes is required. For food contact surfaces, rinse thoroughly with potable water after treatment with BIOXY ENVIRO®. No rinse is required with 200 ppm solution of BIOXY ENVIRO®.

AERIAL DISINFECTION

To replace dangerous glutaraldehyde fumigation in empty farm buildings and veterinary hospitals. Turn off the ventilation system during the treatment of disinfection. Use a fogging equipment as part of terminal disinfection routine with a 0.5% w/v solution of BIOXY ENVIRO®. Apply at a rate of one liter of solution per 100 m³ with particle size not exceeding 100 microns in order to get contact time of 10 minutes with microorganisms in the air. Leave the room during the fogging. Users and animals may re-enter the treated area once the fog has disappeared. No rinsing is required after treatment.

WATER NETWORK

DISINFECTION

For disinfecting drinking water system at terminal clean out, use a 1.0 % w/v solution of BIOXY ENVIRO®. Dose header tank and drain system. Wait at least 15 to 30 minutes before draining and rinsing again.

SANITIZING

For Sanitizing drinking water system at terminal clean out, use a 0.2 % w/v solution of BIOXY ENVIRO®. Dose header tank and drain system. Wait at least 15 to 30 minutes before draining. No need for rinsing as at 200 ppm it is certified food contact No Rinse.

CONTINUOUS DISINFECTION

For continuous disinfection of drinking water system at terminal clean out, use a 0.1 % w/v solution of BIOXY ENVIRO®. Apply using a dosing pump with appropriate flow.

DRAIN DISINFECTION

To disinfect the drains, use a 0.5% solution of BIOXY ENVIRO. Brush the edges and where it is possible, empty the solution to disinfect into the P trap system. leave the solution without rinsing.

FLOOR DISINFECTION

For floors, use a 0.5% solution of BIOXY ENVIRO. Brush and wait at least 10 minutes before rinsing.

For more details, contact your representative.

FEATURES & BENEFITS

- ✓ POWDER
- **✓ STRONG OXIDIZER**
- ✓ NON-VISCOUS
- ✓ EXCELLENT SOLUBILITY
- ✓ VERY LIGHT ODOR
- ✓ NEUTRAL PH
- ✓ NO MICROBIAL

 RESISTANCE BUILD-UP

- ✓ BIODEGRADABLE
- ✓ CONTROL OF A BROAD SPECTRUM OF MICROORGANISMS
- ✓ EFFECTIVE AND SAFE
- ✓ PREVENTS AND DESTROYS MOLD AND YEAST

GUIDELINE

DIRECTION OF USE

- 1. Establish the quantity of disinfectant to be used.
- 2. Choose the rate for the level of disinfection is needed.
- 3. Pour the right quantity of BIOXY ENVIRO®, in water.
- 4. BIOXY ENVIRO®, is a green product, PAA is active for 3 days. *Quaternary Ammonium will be effective for 4 to 5 days

SURFACE DISINFECTION

- Disinfection of surfaces using BIOXY ENVIRO® at 10 grams per 1 liter of water.
- 2. Dilution rate 1:200
- Apply using pressure water, a fogger, mop, sponge, and sprayer.

AERIAL DISINFECTION

- Disinfection of Air using BIOXY ENVIRO® at 10 grams per 1 liter of water.
- 2. Dilution Rate 1:200
- 3. Apply Using a Fogger or pulverizer
- 4. 1 Liter used for 100 m³ at 100 microns

WATER NETWORK DISINFECTION

- Disinfection of water network using BIOXY ENVIRO® at 10 grams per 1 liter of water.
- 2. Dilution Rate 1:200
- * At rate 1:200 drain system with no rinse
- * Continuous sanitizing at a rate 1:1000

PRODUCT APPROVED BY HEALTH CANADA AND CFIA







BROAD-SPECTRUM | DISINFECTANT PERACETIC ACID AT NEUTRAL DH

BIOXY ENVIRO® is a powder product that generates 3 distinct disinfectants; Quaternary, hydrogen peroxide and neutral peroxy-acetic sets new industry standards as the first environmentally friendly broad-spectrum disinfectant to eliminated the most difficult pathogens.

BIOXY ENVIRO® is a powder, when dissolved in water, produces three active disinfectants; peroxy-acetic agent, hydrogen peroxide and two quaternary chains of fourth generation at a near neutral pH, making it safe for users.

BIOXY ENVIRO® is a hard surfaces disinfectant used for the food and beverage industry, agricultural community, fogging, foot baths, cleaning and general disinfection. The powder breaks down quickly and leaves no trace in the environment, in addition to having no microbial resistance.

BIOXY ENVIRO® is a champion against a broad spectrum of Micro-organisms. As well as being safe, it is very effective in presence of dirt and other contaminants.

BIOXY ENVIRO®, with its environmental and safe formula replaces all the toxic products such as: glutaraldehyde, aldehydes, and chlorine-based corrosive products.

BIOXY ENVIRO® can be used on all hard surfaces without damaging them. Virtually odorless, it proves to be a perfect solution for user safety as well as for all equipment.

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DIRECTIONS FOR USE

Use BIOXY ENVIRO on previously cleaned equipment. Use BIOXY ENVIRO® at a concentration of 0.2% to 2% (2 to 20 g BIOXY ENVIRO® per liter). Keep this solution in contact with surfaces for at least 10 minutes;

SANITATION: Use at a concentration of 0.2% (2 g BIOXY ENVIRO® in 1 liter of water). These concentrations of 0.2% yields up to 200 ppm of active peracetic acid. **Do not rinse if concentration is equal or below 200 ppm peracetic acid.**

DISINFECTION: Use at a concentration of 0.5% at 1% (5 g - 10 g BIOXY ENVIRO in 1 liter of water). These concentrations of 1% yields up to 1000 ppm of active peracetic acid.

SHOCK TREATMENT: Use BIOXY ENVIRO® at a concentration of 2% (20g BIOXY ENVIRO® per liter of water) to eliminate *Listeria monocytogenes* and other pathogenic bacteria such as: *E. coli* 0157:H7, *Pseudomonas aeruginosa*, *Salmonella* spp., *Campylobacter jejuni*, etc. find in agro-food plant.

- 1- Establish the quantity of disinfectant to be used.
- 2- Choose the rate for the level of disinfection is needed.
- 3- Use the scoop for the right quantity of BIOXY ENVIRO® in water.
- 4- BIOXY ENVIRO® is a green product, peracetic acid is active for 24 hours. (Quaternary ammonium will be effective for 4 to 5 days)

PROPERTIES

Appearance: blue powder Odour: very Mild

INGREDIENTS

Contains: sodium carbonate peroxyhydrate.

phosphate-FREE

DILUTION RATE REQUIRED (W/v)

Surface in m²	Total volume of BIOXY ENVIRO®	Pourcentage 2.0% Rate 1:50	4	Pourcentage 1.0% Rate 1:100	1	Pourcentage 0.5% Rate 1:200	Pourcentage 0.2% Rate 1:500
50 m²	10 Liters	200 g	Ī	100 g	3	50 g	20 g
100 m²	20 Liters	400 g		200 g		100 g	40 g
500 m ²	100 Liters	2,0 Kg		1,0 Kg	ii G	500 g	200 g
1 000 m²	200 Liters	4,0 Kg		2,0 Kg		1,0 Kg	400 g
2 000 m²	400 Liters	8,0 Kg	1	4,0 Kg		2,0 Kg	800 g



10 MIN CONTACT TIME KILL STUDY

NAME OF MICRO-ORGANISM	DILUTION RATE
Rift Valley fever	1 in 500 parts
Simian Virus (SV40 Virus)	1 in 100 parts
Swine Influenza Virus	1 in 100 parts
Swine Vesicular Disease Virus	1 in 100 parts
Transmissible Gastroenteritis Virus (TGE)	1 in 100 parts
Turkey Herpes Virus	1 in 100 parts
Turkey Rhinotracheitis Virus	1 in 250 parts
TRT	1 in 250 parts
Vesicular Stomatitis	1 in 500 parts

FUNGI	DILUTION RATE
Aspergillus fumigatus	1 in 150 parts
Aspergillus niger	1 in 150 parts
Candida albicans Fusarium moniliforme	1 in 150 parts 1 in 150 parts
Microsporum canis	1 in 300 parts
Malassezia pachydermatis	1 in 150 parts
Trichophyton mentagrophytes	1 in 300 parts
Trichophyton spp. (Mud Fever)	1 in 300 parts
Trichophyton spp. (Ringworm)	1 in 300 parts



BACTERIA	DILUTION RATE
Actinobacillus pleuropneumoniae	1 in 250 parts
Bordetella avium	1 in 150 parts
Bordetella bronchiseptica	1 in 200 parts
Bacillus cereus	1 in 150 parts
Brucella abortus	1 in 150 parts
Campylobacter jejuni	1 in 150 parts
Campylobacter Coli	1 in 150 parts
Campylobacter Pyloridis	1 in 150 parts
Campylobacter Psittaci	1 in 150 parts
Clostridium perfringens	1 in 150 parts
Dermatophilus congolensis	1 in 150 parts
Enterobacter Cloacae	1 in 250 parts
Escherichia coli	1 in 150 parts
Klebsiella pneumonia	1 in 250 parts
Klebsiella Oxytoca	1 in 150 parts
Listeria Monocytogenes	1 in 150 parts
Mycoplasma gallisepticum	1 in 150 parts
Mycoplasma hyopneumoniae	1 in 1000 parts
Moraxella bovis (Pink Eye)	1 in 150 parts
Mycoplasma gallisepticum	1 in 150 parts
Mycoplasma hyopneumonia	1 in 150 parts
Mycoplasma mycoides	1 in 250 parts
Pasteurella multocida	1 in 200 parts
Pseudomonas aeruginosa	1 in 150 parts
Pseudomonas vulgaris	1 in 150 parts
Salmonella enterica	1 in 150 parts
Salmonella typhimurium	1 in 250 parts
Shigella sonnei	1 in 150 parts
Staphylococcus aureus	1 in 150 parts
Staphylococcus epidermidis	1 in 150 parts
Streptococcus equi (Strangles)	1 in 150 parts
Streptococcus pyogenes	1 in 150 parts
Streptococcus suis	1 in 150 parts
Taylorella equigenitalis	1 in 500 parts
Treponema hyodysenteriae	1 in 150 parts

















Health

Santé Canada