DIN 02431734

BIOXY ENVIRO

BACTERICIDE • VIRUCIDE • FONGICIDE

Agriculture's Disease Control

A Safe to handle, Unique & Patented Biotechnology based, Non-Harsh, Environment Friendly, Biodegradable, certified Food Contact no Rinse disinfectant.

Patent 2.569.025

BIOXY ENVIRO

BROAD-SPECTRUM / DISINFECTANT

PERACETIC ACID AT NEUTRAL pH

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 safe broad-spectrum disinfectant to record total kills on 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 in cattle, hog or poultry farms and in many other places such as in veterinary clinic. Virtually odorless, convenient for users as well as for animals.

DIRECTIONS FOR USE
Use BIOXY ENVIRO on previously cleaned equipment. Use BIOXY ENVIRO at a concentration of 200 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 1% (10 g BIOXY ENVIRO in 1 liter of water). These concentrations of 1% yields up to 1000 ppm of active peracetic acid.

CHOC 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* O157:H7, *Pseudomonas aeruginosa, Salmonella* spp., *Campylobacter jejuni*, etc. 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, PAA 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)

Percentage	2.0%	1.0%	0.5%	0.2%	QTY OF DISINFECTANT SOLUTION REQUIRED
QTY OF BIOXY ENVIRO REQUIRED					
	20g	10g	5g	2g	1 Liter
Gram per Liters	200g	100g	50g	20g	10 Liters
	1000g	500g	250g	100g	50 Liters

PRODUCT APPROVED BY HEALTH CANADA AND CFIA

GROUPE BOD GROUP

DISTRIBUTED BYTHE BOD GROUP INFO@CHIMIQUESBOD.COM PHONE: 1-800-837-7618

FEATURES & BENEFITS

POWDER | STRONG OXIDIZER | NON-VISCOUS
BIODEGRADABLE | EXCELLENT SOLUBILITY
VERY SLIGHTLY ODOR | NEUTRAL pH
NO MICROBIAL RESISTANCE BUILD-UP
CONTROL OF A BROAD SPECTRUM OF MICROORGANISMS
EFFECTIVE AND SAFE
PREVENTS AND DESTROYS MOLD AND YEAST

CLEANING AND DISINFECTING FOR SURFACES AND EQUIPMENTS

FOOD PROCESSING PLANTS

Remove all debris and other deposits from surfaces. Then, thoroughly wet surfaces to be disinfected with a 1% 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 1% w/v solution of BIOXY ENVIRO. Apply at a rate of one liter of solution per 100 m^3 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.

DRAIN DISINFECTION

To disinfect the drains, use a 1% 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 1% solution of BIOXY ENVIRO. Brush and wait at least 10 minutes before rinsing.

For more details, contact your representative.

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GROUPE BOD GROUP

BIOXY ENVIRO EFFICIENCY AND CONTACT TIME TESTED ON PATHOGENS

BACTERIA	DILUTION	CONTACT TIME
Escherichia coli 0157 H7	200 ppm	2 min
Bacillus Subtilis ATCC 6633	200 ppm	2 min
Klebsiella Pneuminiae ATCC 13883	200 ppm	2 min
Staphylococcus Aureus ATCC 33591	200 ppm	2 min
Methicillin resistant Staphylococcus aureus (MRSA) (ATCC 43300)	200 ppm	2 min
Listeria monocytogenes (ATCC 35152)	200 ppm	2 min
Salmonella typhi (ATCC 6539)	200 ppm	2 min
Vancomycin resistant Enterococcus faecalis (VRE) (ATCC 51299)	1%	3 min
Pseudomonas Aeruginosa	1%	3 min
Vibrio cholera (ATCC 14035)	1%	10 min
campylobacter jejuni (ATCC 29428)	1%	10 min
Streptococcus agalactiae clinique	1%	15 min
Streptococcus pyogenes (ATCC 19615)	1%	15 min
Streptococcus suis	1%	15 min
Serratia marcescens	1%	15 min
Clostridium sporogenes	1%	15 min
Enterococcus faecalis ATCC 51299	1%	15 min

VIRUS	DILUTION	CONTACT TIME
Influenza A2/Japan	1%	10 min
Herpes Simplex Type 1	1%	10 min
Adenovirus Type 5	1%	10 min
Vaccinia virus, and Avian influenza A/Dindon/Wisconsin	1%	10 min
Human Immunodeficiency Virus Type 1 (HIV-1)	1%	10 min
Newcastle virus	1%	10 min
Laryngotracheitis virus	1%	10 min
Porcine reproductive and respiratory syndrome virus (PRRS)	1%	10 min
Parvovirus	1%	10 min
Porcine epidemic diarrhea virus (PED)	1%	15 min