BIOXY+

BACTERICIDE • VIRUCIDE • FUNGICIDE

SURFACES SANITIZER

A unique, patented and safe to handle product.
Biodegradable for a better environment.
Certified for contact with food without rinsing.

BIOXY +

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HIGH-LEVEL SANITIZER

PERACETIC ACID AT NEUTRAL PH

BIOXY + is a powdered sanitizer that generates paracetic acid when mixed with water. This unique product offers several benefits on conventional quaternaries and chlorine. It has no accumulated cellular resistance nor foaming tendencies generally associated with quaternaries. BIOXY + is also non-corrosive, and less sensitive to organic conditions or to hard water than chlorine.

BIOXY + is effective against a large number of microorganisms and is known to be one of the best sanitizer currently on the market.

BIOXY + is used as a sanitizer (200 ppm) in the food processing and beverage industry, as well as dairy plants. It's also used in nurseries, residences, restaurants, butcher's shops, on surfaces in contact with food and any other places that require a safe, high-level disinfection. BIOXY + is also ideal to sanitize water tanks used for water treatment.

Independent laboratory tests proved the effectiveness of BIOXY + at a concentration of 1% diluted to 1:10 (100 ppm) on H1N1 and viruses from the orthomyxo viridae family, including the avian influenza. The destruction of these viruses happens in a matter of seconds.

Appropriate for a use in food plants.

INSTRUCTIONS

Use BIOXY + on an equipment that was cleaned beforehand. Use this product at a concentration level of 200 ppm at 2% (2 to 20 grams per BIOXY + liter). Keep the solution in contact with the surfaces for at least 2 minutes, and then rinse thoroughly with drinkable water.

SANITATION: Use this product at a concentration level between 0.1% and 0.2% (1 to 2 grams of BIOXY + per liter of water). These concentration levels deliver up to 200 ppm of active peracetic acid. Do not rinse if the concentration level is below or equal to 200 ppm.

1- *Determine the quantity of disinfectant to use.*
2. *Choose the appropriate rate for the required level of sanitation.*
3. *Use the measure for the correct quantity of BIOXY + in lukewarm water.*
4. *BIOXY + is a green product, the paracetic acid being only active for 24 hours.*

PROPERTIES

Appearance: white powder
Smell: very mild

INGREDIENTS

Contains: sodium percarbonate

phosphate-FREE

REQUIRED DILUTION RATIO

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

LES CHIMIQUES B.O.D. INC.
B.O.D. CHEMICALS INC.

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TO CLEAN AND SANITIZE SURFACES AND EQUIPMENT

ALL SURFACES

Brush and remove dust on ventilation equipment, engines, grilles and other electrical equipment. To clean and disinfect terminals, saturate all surfaces with a 1% p/v BIOXY + solution by using a pressure washer or a spray. BIOXY + must stay in contact with the surface for at least 2 minutes or depending on the pathogenic agent being targeted. Scrubs dirty utensils and soak in a 1% p/v BIOXY + solution for 2 minutes.

IN FOOD PROCESSING PLANT

Remove debris deposits on the floor and then wet abundantly the surfaces to disinfect with a 1% p/v BIOXY + solution using a mop, a sponge or a cloth. Finally, spray. A minimum contact period of 2 minutes is required. As for the surfaces in contact with food, rinse with drinkable water after the treatment.

WATER SYSTEMS DISINFECTION

To sanitize a drinkable water system, use a 1% p/v BIOXY + solution. Fill up the tank and the evacuation system. Wait for at least 10 minutes before empty these containers and rinse them once again.

FOR AERIAL DISINFECTION

To replace the ineffective and dangerous glutaraldehyde fumigation process used in agricultural buildings and veterinary clinics, turn off the ventilation system during the disinfection process. Use a spray with a 1% p/v BIOXY + solution applied to a rate of 1 liter of solution per 100 m^3 with a size of particles that doesn't exceed 100 micrometers. You should obtain a minimal contact period of 10 minutes for microorganisms present in the air. Leave the room during the fogging phase. Users and animals can come back in once the condensation has disappeared. No rinsing is required after the treatment.

ADVANTAGES & BENEFITS

- NON-VISCOUS, POWERFUL OXIDIZING POWDER
- BIODEGRADABLE WITH AN EXCELLENT SOLUBILITY
- SUBTLE SMELL AND NEUTRAL pH
- NO MICROBIAL RESISTANCE
- LARGE MICROBIAL SPECTRUM
- EFFECTIVE ON BIOFILMS
- PREVENTS AND DESTROYS YEAST AND MOLD

BIOXY + EFFECTIVENESS WITH CONTACT PERIOD ON TESTED PATHOGENS

BACTERIA	DILUTION	CONTACT PERIOD
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

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