BIOGUARD

High-Efficiency foaming sanitizer

BIOGUARD is a free-rinsing, high foaming peroxyacetic acid-based liquid sanitizer. This unique product offers many advantages over conventional quaternary ammonium and chlorine. There is no cell resistance build-up as associated with quats, is not as sensitive to organic or hard water conditions, and will not corrode stainless steel like chlorine.

Furthermore, **BIOGUARD** is effective against a wide spectrum of microorganisms, and is one of the most effective sanitizers on the market.

DO NOT STORE WITH FOOD PRODUCTS.

FEATURES AND BENEFITS

- High foaming acidic liquid
- Strong oxidizer
- Low viscosity
- Biodegradable
- Highly efficient
- No cell resistance build-up
- Control of a broad spectrum of microorganisms

DIRECTION FOR USE

Equipment to be treated	Food processing equipment surfaces.Evaporator pasteuriser, ceiling, wall, floor.
Use procedure	Manually remove a maximum of soil. Clean with an adequate detergent solution then rinse with potable water. Spray, soak, foam or flood **BIOGUARD**.
Concentration	***Surfaces in contact with food:*** Between 0.12% and 0.3% (5mL to 12mL / 4 litre of water) (75 PPM to 200 PPM). All surfaces should be exposed to sanitizing solution for a period of at least 60 seconds. Drain thoroughly and rinse with potable water. **For shock treatment (500 PPM to 1000 PPM)** 0.8% to 1.6% (8 to 16ml/litre of water). Must be rinsed with potable water.
Temperature	Between 4°C to 40°C (39 to 105°F).

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BACTERIAL INACTIVATION BY COMMON BIOCIDAL

Bacterium	Glutaraldehyde 2%	Formaldehyde 8%	Phenol 5%	Cu/Asc 0.1%	Hypochlorite 0.05%	Peroxide 10%	Peracetic 0.03%
B.cereus	> 5.0(2)	> 5.0(2)	> 5.0(2)	> 5.0(2)	> 5.0(2)	> 5.0(2)	> 5.0(2)
C.perfringens	> 6.3(2)	> 6.3(2)	> 6.3(2)	> 6.3(2)	0.14±0.05(2)	> 6.3(2)	4.1±0.1(2)
E.coli	> 6.9(2)	> 6.9(2)	> 6.9(2)	6.3±0.8(2)	6.2 ±0.9(2)	> 6.9(2)	> 6.9(2)
L.monocytogenes	> 6.1(2)	> 6.1(1)	> 6.1(2)	> 6.1(1)	> 6.1(2)	> 6.1(2)	> 6.1(1)
P. aeruginosa	3.8±0.2(2)	> 6.1(3)	5.8±0.6(3)	5.6±0.9(3)	1.3±0.1(2)	> 6.1(3)	5.0±1.6(3)
S.typhimurium	> 6.4(3)	> 6.2(3)	> 6.4(3)	> 6.4(3)	4.1±1.3(2)	> 6.4(3)	> 6.4(3)
S.sonnei	> 6.3(2)	> 6.3(2)	> 6.3(2)	> 6.1(1)	> 6.3(2)	> 6.3(2)	> 6.3(2)
S.aureus	> 6.5(3)	> 6.3(3)	> 6.3(3)	5.5±1.2(3)	4.8±1.8(2)	5.6±0.7(3)	6.6±03(3)
S. epidermidis	> 6.3(2)	5.9±1.1(3)	> 6.3(2)	5.1±0.1(2)	6.3±0.4(3)	> 6.3(3)	> 6.3(3)
V.cholerae	> 6.4(2)	> 6.4(2)	> 6.4(2)	> 6.4(2)	> 6.4(2)	> 6.4(2)	> 6.4(2)
V.parahaemolyticus	> 6.2(1)	> 6.2(2)	> 6.2(2)	> 6.2(2)	> 6.2(2)	> 6.2(2)	> 6.2(2)
V.vulniticus	> 6.3(2)	> 6.3(2)	> 6.3(2)	> 6.3(2)	> 6.3(2)	> 6.3(2)	> 6.3(2)
Y.enterocolitica	> 6.8(2)	> 6.8(2)	> 6.8(2)	> 6.8(2)	> 6.8(2)	> 6.8(2)	> 6.8(2)

Calculated as –log (Td / Tw) where Td is the titer of bacteria surviving 30 min exposure at 20°C to a given disinfectant, and Tw is the titer of bacteria exposed under the same condition to water.results are expressed either as the limit of detection when no surviving colonies were obtained or as x ± s (n) where n is the number of replicate experiments.

From Sagripanti J-L,Eklund CA, TrstPA et al.Comparative sensitivity of 13 species of pathogenic bacteria to seven germicide.Am J Infect Control 1997;25:335-339
Disinfection,Sterilization, and Preservation EDITOR SEYMOUR S . BLOCK FIFTH EDITION

BIOGUARD High-Efficiency foaming sanitizer

PHYSICAL PROPERTIES

Appearence	Clear, colorless liquid
Odour	Pungent vinegar
Specific gravity @ 20˚C	1.10
Viscosity	Not available
pH	1.2
Flash point (TCC)	None
Water solubility	Complete
Auto ignition temperature	None
Chlorine	None
Boiling point	100°C
Freezing point	-5ºC
Foaming tendency	High
Concentration monitoring techniques	Electrical conductivity, titration
Rinsing	Excellent

INCOMPATIBILITY

Chlorinated products, alkalis, metals, organic materials

WAREHOUSING PRECAUTIONS

Keep containers tightly closed in a dry, cool and well-ventilated place

AVAILABLE SIZES

20L	205L

PAREVE MK ·930·

phosphate-FREE

IMPORTANT

Before using **BIOGUARD**, always be sure to read and follow precautions and directions for use appearing on the product's container label, and on the safety data sheet (S.D.S).

FIRST AID MEASURES

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Skin contact
Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

Inhalation
Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion
Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

PERSONAL PROTECTION

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