

Water Tech

BIO-SANITIZER®

DISINFECTING TABLETS

GENERAL SPECIFICATIONS

Bio-Sanitizer disinfecting tablets shall be formulated and produced to insure effective and dependable disinfection for potable water, wastewater, process water treatment systems and other applications where a predictable long-term source of chlorine is desirable. Bio-Sanitizer tablets shall dissolve slowly and evenly, providing effective bacteria reduction while minimizing chemical consumption. The tablets shall be 2⁵/₈" diameter, compressed to 1³/₁₆" thickness with an approximate weight of 5 oz. and incorporate beveled edges to minimize operator maintenance. Ultraviolet systems provide limited treatment during operational upsets and chlorine gas systems create significant safety concerns and therefore shall not be considered for this application.

TABLET PROPERTIES AND USAGE

Bio-Sanitizer disinfecting tablets shall be registered with the USEPA, all applicable State Departments of Agriculture and the Ministry of the Environment as a microbiocide disinfectant. The tablets shall have an active ingredient of 73% calcium hypochlorite and contain a minimum of 70% available chlorine. When used as directed, Bio-Sanitizer disinfecting tablets shall provide a more economical, safe and convenient method of disinfection than gas or liquid disinfecting systems. The consistent dissolve rate of Bio-Sanitizer disinfecting tablets shall generally lower overall chemical use and provide for better control over residual chlorine. Therefore, other tablets of similar composition shall not be considered for this application.

PRODUCT APPLICATION

The 2⁵/₈" diameter by 1³/₁₆" thick Bio-Sanitizer tablets shall be utilized for the disinfection of wastewater treatment plant effluent, potable water and process water. The tablets shall maintain a consistent chemical application rate at intermittent peak flow factors as high as four and shall provide reliable effluent disinfection even when the significant runoff period is six hours. Bio-Sanitizer tablets shall effectively disinfect typical water or wastewater flows without releasing unnecessary quantities of calcium hypochlorite into the environment. The following is a list of common applications where the tablets may be utilized: residential wastewater treatment plants, municipal wastewater plants, septic tanks – sand filters, package wastewater treatment systems, well water systems, marine sanitation equipment, spray irrigation systems, municipal water plants and water towers.

DESIGN DATA

Tablet Size	2 ⁵ / ₈ " diameter, 1 ³ / ₁₆ " thick
Approximate Tablet Weight	5 oz. (140 grams)
Active Ingredient	73% Calcium Hypochlorite – Ca (OCl) ₂ • H ₂ O
Minimum Available Chlorine	70%
Inert Ingredient Content	27%
EPA Registration	63243-1
Appearance Characteristics	White Tablet with Chlorine Odor
Special Design Features	Beveled Edges

SPECIAL INSTRUCTIONS

Bio-Sanitizer disinfecting tablets are a strong oxidizing agent and highly corrosive. Contact with other chlorine compounds, oil or petroleum products is extremely dangerous – fire or explosion could result. Improper use of this product may cause personal injury or property damage. Tablets may be fatal if swallowed and tablet dust is irritating to the eyes, nose and throat. Keep out of the reach of children. Store only in the original container in a cool, dry, well-ventilated area. It is a violation of Federal Law to use Bio-Sanitizer disinfecting tablets in a manner inconsistent with its labeling. Read the product container label and Bio-Sanitizer disinfecting tablet Safety and Tablet Properties and Usage instructions before use. Always wear rubber gloves and either safety goggles or a face shield when handling Bio-Sanitizer tablets.



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