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 face shield when handling Bio-Sanitizer tablets.

PRODUCT STORAGE
Bio-Sanitizer disinfecting tablets are a strong and highly corrosive oxidizing agent. Tablets should be stored in a cool, dry, well ventilated area, away from heat or flame. Stock should be rotated on a first-in, first-out basis. Store Bio-Sanitizer disinfecting tablets in their original container with the lid tightly closed. Store tablets away from combustible materials such as paper, petroleum products, chemicals, rags or cardboard. In case of contamination or decomposition, do not reseal container and notify fire department immediately. If possible, isolate container in open air or a well-ventilated area. Flood tablets and container with large volumes of water to dissolve all materials, then discard container. Do not reuse the empty container.

SAFETY INSTRUCTIONS
Before handling Bio-Sanitizer tablets, carefully read the product container label and the Product Storage, Tablet Handling, Caution and First Aid sections of these instructions. Do not add Bio-Sanitizer tablets to a feed tube containing the remnants of any other product, particularly oil and petroleum products or swimming pool chlorine - fire or explosion could result. Do not contaminate food or feed during the use, storage or disposal of Bio-Sanitizer tablets or the cleaning of chemical feed equipment. Always wear rubber gloves and either safety goggles or face shield when handling Bio-Sanitizer tablets or working with any tablet chlorinator or chemical feed tube. Avoid contact with skin, eyes, mouth, respiratory system or clothing. Keep only in tightly closed original container. Store only in a cool, dry, well ventilated area. Avoid moisture contamination.

TABLET HANDLING
It is a violation of Federal Law to use Bio-Sanitizer disinfecting tablets in a manner inconsistent with the container label. It is a violation of Federal Law to sell the tablets in a package other than the original container and in the quantity shown on the label. Read the entire Bio-Sanitizer tablet container label and these instructions carefully before handling this product. Mix only with water using clean, dry utensils. Do not add Bio-Sanitizer disinfecting tablets to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire, explosion and/or the release of toxic gas.

CAUTION
Bio-Sanitizer disinfecting tablets are highly corrosive. Contact with other chlorine products or reducing agents, such as pool chemicals or Bio-Neutralizer dechlorination tablets, is extremely dangerous - fire or explosion could result. Keep out of the reach of children. Avoid contact with skin, eyes, mouth, respiratory system or clothing - failure to do so will cause irritation on contact. Always wear rubber gloves and either safety goggles or a face shield when handling this product. Avoid breathing tablet dust; it is irritating to the eyes, nose and throat and potentially fatal. Wash contaminated clothing before reuse.

IN CASE OF EMERGENCY INVOLVING THIS PRODUCT, PHONE (304) 843-1300.

FIRST AID INSTRUCTIONS
If contact with skin occurs, wash with water for 15 minutes. If irritation occurs, seek medical attention. If eye contact occurs, flush with water for at least 15 minutes. Get immediate medical treatment.
If swallowed, promptly drink large quantities of water. DO NOT induce vomiting. Avoid alcohol. Call physician immediately. If inhaled, move victim to fresh air and get immediate medical attention.
In case of fire, immediately evacuate the area and notify the fire department.
MATERIAL SAFETY DATA SHEET
BIO-SANITIZER® DISINFECTING TABLETS

I. PRODUCT IDENTIFICATION

TRADE NAME: Bio-Sanitizer®
CHEMICAL NAME: Calcium Hypochlorite, Hydrated, Tablets
CHEMICAL ABSTRACT SERVICE NO.: CAS 8778-54-3
CHEMICAL FAMILY: Hypochlorite
FORMULA: Ca(OCl)₂ + H₂O
U.S. DOT SHIPPING NAME: Calcium Hypochlorite, Hydrated
U.S. DOT HAZARD CLASS: 5.1 Oxidizer

IDENTIFICATION NUMBER: UN 2880
PACKING GROUP: II
REPORTABLE QUANTITY: 10 pounds/4.5 Kg.
HMIS/NFPA RATING: 3/0/1
I.M.O. DESCRIPTION: Calcium Hypochlorite, Hydrated, Class 5.1, UN 2880, Packing Group II, SQ 10, IMDG
Code Page: 5138

II. INGREDIENTS

Calculated Hypochlorite (70% Available Chlorine) 73%
Inert-Ingredients (includes 5.5-10% Moisture) 27%

III. PHYSICAL DATA

BOILING POINT AT 760 mm Hg: Decomposes at 180°C
SPECIFIC GRAVITY OF TABLET: 1.94 (H₂O = 1)
pH OF SOLUTION: Alkaline
APPEARANCE AND ODOR: White with chlorine odor

SOLUBILITY IN H₂O: 1% BY WEIGHT
APPROXIMATE BULK DENSITY: 217 g/l at 27°C
HEAT OF SOLUTION: Slightly Exothermic
VOLUME % VOLATILE: Not Applicable

IV. FIRE AND EXPLOSION DATA

FLASH POINT: None
EXTINGUISHING MEDIA: Water Only - Smothering ineffective
SPECIAL FIRE FIGHTING PROCEDURES: NIOSH-Approved, positive pressure, self-contained breathing apparatus with full face piece for possible exposure to hazardous gas.
UNUSUAL FIRE & EXPLOSION HAZARD: Decomposes rapidly at 180°C, generating oxygen and heat. Containers may rupture. (Do NOT use dry extinguishers containing ammonium compounds).

V. HEALTH HAZARD DATA

ACUTE TOXICITY DATA (ANIMAL): LC₅₀ Inhalation (Rat) No Mortality at 3.5 mg/l (hour)
LD₅₀ ORAL: 850 mg/kg (Rat)
LD₅₀ DERMAL: 1000 mg/kg (Rabbit)
LC₅₀ AQUATIC: TLM 96 Hr: 10-1 ppm

CLASSIFICATION:
INHALATION: SKIN
INGESTION: Corrosive
EYE: Inflammation
CHRONIC: Toxic

CAUSES BURNS TO EYES AND SKIN
CHRONIC TOXICITY:
There are no known or reported effects from repeated exposure.

VI. EFFECTS OF OVEREXPOSURE

PERMISSIBLE: No permissible exposure limits have been established by OSHA.

ACUTE:
INHALATION: Inhalation of this material is irritating to the nose, mouth, throat, and lungs. It may also cause burns to the respiratory tract with the production of lung edema which can result in shortness of breath, wheezing, choking, chest pain, and impairment of lung function. Inhalation of high concentrations can result in permanent lung damage. Chronic (repeated) exposure may cause impairment of lung function and permanent lung damage.
EYE/SKIN: Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage. Contact with skin may cause severe irritation, burns, or tissue destruction.
INGESTION: Irritation and/or burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding, and/or tissue ulceration.
CHRONIC: There are no known or reported effects from chronic exposure.

VII. EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air. Give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention immediately.
EYE CONTACT: Immediately flush with large amounts of water for fifteen (15) minutes. Rinse eye thoroughly. Get medical attention.
SKIN CONTACT: Wash with plenty of soap and water for fifteen (15) minutes. Remove contaminated clothing and wash before reuse. If skin irritation occurs, get medical attention.
INGESTION: If conscious, drink a large quantity of water and common vegetable oil. Do NOT induce vomiting. Take immediately to hospital. Avoid alcohol.
If unconscious, or in convulsions, seek medical attention immediately. Do not give anything by mouth to an unconscious person.

VIII. REACTIVITY DATA

STABILITY: Unstable.
CONDITIONS TO AVOID: Any form of contamination or excessive heat above 177°C.
INCOMPATIBILITY:
HAZARDOUS DECOMPOSITION PRODUCTS:

IX. SPILL AND LEAK PROCEDURE

USE EXTREME CAUTION IN HANDLING SPILLED MATERIAL. CONTAMINATION WITH ORGANIC OR COMBUSTIBLE MATERIAL MAY CAUSE FIRE OR VIOLENT DECOMPOSITION. IF FIRE OR DECOMPOSITION OCCURS IN AREA OF SPILL, IMMEDIATELY DOSE WITH PLENTY OF WATER. OTHERWISE, SWEEP UP ALL VISIBLE MATERIAL USING A CLEAN, DRY SHOVEL AND BROOM AND DISPOSE MATERIAL IN WATER. CARGE MUST BE TAKEN WHEN USING OR DISPOSING OF CHEMICAL MATERIALS TO PREVENT ENVIRONMENTAL CONTAMINATION. IT IS YOUR DUTY TO DISPOSE OF THE CHEMICAL MATERIALS AND/OR THEIR CONTAINERS IN ACCORDANCE WITH THE CLEAN AIR ACT, THE CLEAN WATER ACT AND RCRA REGULATIONS.

X. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
VENTILATION: If conditions are dusty, use NIOSH respirator with acid gas cartridge and dust pre-filter.
EYE PROTECTION: Not required unless dusty conditions are encountered. Store and use in a well ventilated area.
GLOVES:
OTHER PROTECTIVE EQUIPMENT:

This material safety data sheet is offered solely for your information, consideration and investigation. Norwalk wastewater equipment company provides no representations or warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.