Biosperse™ CN4200 MICROBIOCIDE

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID

IF IN EYES: Hold eye open and rinses gently and slowly with water for 15 min. Remove contact lenses, if present, after the first 5 min, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 min. If on face or eyes, consult a medical person immediately. Call a poison control center or doctor for treatment advice.

IF INHALED: Allow the person to inhale fresh air. If not breathing, call 911 or an emergency number. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Probable mucous membrane damage may occur.

IN CASE OF EMERGENCY

CALL 1-844-SOLENIS (1-844-765-9647)

FOR INDUSTRIAL USE

Produced for Solenis LLC
Made in USA
10018

DIRECTIONS FOR USE

It is the responsibility of the user to use this product in a manner consistent with its labeling. The dosage of this product may vary with specific applications and with changing conditions of the factors including, but not limited to: environmental conditions, the type and volume of feedstock, the degree of contamination desired, and the treatment time. When necessary, your Solenis Representative will arrange for microbiological and chemical analysis, so that technical advice can be given concerning specific sites and conditions to maintain optimum performance.

BREWERY PAUSTERIZER WATER - For controlling (or biocidal) unwanted microorganisms in beer, keeping the pausterizing water systems active, and as a pre-treatment step just prior to the filtration of the beer. This product is recommended for use at the rate of 4 to 5 oz per 1,000 gallons of water per hour, at a treatment time of 15 minutes. More concentrated systems may require up to 3 oz per 1,000 gallons of water per hour, or adjusted to meet the needs of the system.

BREWERY WORT WATER - For controlling (or biocidal) unwanted microorganisms in beer, keeping the wort treatment systems active, and as a pre-treatment step just prior to the filtration of heat treated wort. This product is recommended for use at the rate of 1 oz per 2 to 1.5 lb (0.5 to 1.25 mg/l) per 100 gallons of water per day, or adjusted to meet the needs of the system. More concentrated systems may require up to 3 oz per 1,000 gallons of water per hour, or adjusted to meet the needs of the system.

WASTEWATER TREATMENT SYSTEMS - Add to the package treatment systems to control unwanted microorganisms. This product is recommended for use at the rate of 0.25 oz per 1,000 gallons of water per day, or adjusted to meet the needs of the system. More concentrated systems may require up to 2 oz per 1,000 gallons of water per day, or adjusted to meet the needs of the system.

RAWWATER/EXCHANGE WATER - Add to rawwater or exchange treatment systems to control unwanted microorganisms. This product is recommended for use at the rate of 0.5 oz per 1,000 gallons of water per day, or adjusted to meet the needs of the system. More concentrated systems may require up to 5 oz per 1,000 gallons of water per day, or adjusted to meet the needs of the system.

PUBLICLY-OWNED TREATMENT WORKS TO CONTROL COFLOM AND OTHER BACTERIA

Add this product at a concentration of 4 to 5 LPPM by weight of water being treated, depending on the severity of contamination in the system. Add direct to the COFLOM feed system and must be made with a mixing point at a junction where the system is being raked and in which treatment time will be 30 minutes or greater before reaching the outlet.

TO USE AS A CO-TREATMENT WITH CHLORINE

Add 0.4 to 1 ppm by weight of water being treated. Emulsification must result in a minimum detectable residual (i.e., zero rate) but not the NICOR’s (peak) residual. Add immediately after chlorine feed, and up to 2 hours before chlorine feed. This product may be added at 4 oz per 1,000 gallons of water (0.5 mg/l) or, in order to minimize chlorine usage, this product can be added at the feed rate of 0.4 mg/l (4 ppm). (This product may be added at the feed rate of 0.4 mg/l (4 ppm) if a disinfection lag time of 20 to 60 minutes is needed to avoid dechlorination. It must be added at a point just after initial chlorine mixing, rapid mixing is necessary for maximum effectiveness. This product must be added within 20 minutes of initial mixing, otherwise dechlorination will occur in 20 to 60 minutes or longer will be provided before reaching the outlet.

MEMBRANE SYSTEMS FOR INDUSTRIAL WATER – Add the product at a concentration of 4 to 5 LPPM by weight of water being treated in accordance with the requirements of a National Potable Water/Wastewater Design, and must be made with a mixing point at a junction where the system is being raked and in which treatment time will be 30 minutes. Add directly to the feed water or at a rate of 1000 ppm based on the fluid flow rate (10 to 15 ppm or 0.1 minumum per hour, or up to 0.8 to 1.8 micrograms per minute (LPM) for application. Apply product to the service flow, mixed with or without activated carbon. This product may be added at the feed rate of 0.4 mg/l (4 ppm). The frequency of application may be daily or as necessary in order to maintain the removal efficiency. For highly treated systems, a 10 ppm dosage must be applied each day for 3 hours for several days until the system performance has stabilized and the normal degree of control is achieved. Subsequently, treat with 1 to 3 ppm for 5 days, or 2 ppm for 240 hours (runs) continuously, or as needed to maintain control.

STORAGE AND DISPOSAL

Do not contain water, food, or feed by dumping or spraying with water. Keep material dry and store with food, feed, food by-products, or water. Keep all products away from children. Keep container tightly closed at all times.

PENTIDE DISPOSAL: Pentide wastes are inherently hazardous. Improper disposal of aqueous pentide, spray solution, or residues, or is a violation of Federal law. If wastes cannot be disposed of by use according to federal instructions, contact your State Pollution or Environmental Control Agency, or the Federal Disposal by Emergency of Hazardous Waste Wastes. Do not allow to enter any watercourse or water supply. Do not use solvents except in emergencies.

WATER TREATMENT SYSTEM DISPOSAL: Wastes are treated as hazardous wastes and may require special handling methods.

CONTAINERS LARGER THAN 3 GALLONS: Dispose of containers in an appropriate hazardous waste facility or as otherwise required by law.

FOR CONTAINERS SMALLER THAN 3 GALLONS: Use the disposal procedures recommended by the packaging manufacturer for the proper handling, transporting, and disposing of recovery systems. Do not discharge contaminated water containing this product into natural bodies of water. Follow local, state, and federal regulations. Follow the procedures of the National Pollution Discharge Elimination System (NPDES) permit as required by the permitting authority. For disposal in a municipal waste water treatment system, ensure the system is designed to treat these types of compounds.

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Note: This product is intended for use in systems that utilizes pre-controlled minimal point of use system(s). The above application rates are applicable for systems where the total amount of product used is 30.0 mg/l or less. More concentrated systems may require up to 500 mg/l or more, depending on the system's treatment time and water volume. The above application rates are applicable for systems where the total amount of product used is 30.0 mg/l or less. More concentrated systems may require up to 500 mg/l or more, depending on the system's treatment time and water volume.

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