

BIOSPERSE CN5500 Microbiocide SOLUTION

MICROBIOCIDE
COMMERCIAL

REGISTRATION NO.: 31862
PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

GUARANTEE:
GLUTARALDEHYDE 50%

DANGER



POISON



CORROSIVE

Net Contents:
Lot #

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Solenis Canada ULC
942 Brant Street
Burlington, ON L7R 2J7
Telephone: 1-905-632-7861
Emergency Telephone: 1-844-SOLENIS (1-844-765-3647)

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

DIRECTIONS FOR USE

DO NOT open pour more than 20L of concentrate per day. Use an automatic addition system if using more than 20L of concentrate per day. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS, RECIRCULATING COOLING AND PROCESS WATER SYSTEMS:

This product may be used only in industrial air washer systems which have mist eliminating components. Biosperse CN5500 Microbiocide should be added at the application rates described below, to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with Biosperse CN5500 Microbiocide. Under these conditions, blowdown should be discontinued for up to 24 hours.

Biosperse CN5500 Microbiocide can be used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD:

Initial Dose: When the system is noticeably fouled, add 100-400 ml (100-400 ppm) of Biosperse CN5500 Microbiocide per 1,000 litres of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 30-100 ml (30-100 ppm) of Biosperse CN5500 Microbiocide per 1,000 litres of water in the system weekly, or as needed to maintain control. Badly-fouled systems must be cleaned before treatment begins.

CONTINUOUS FEED SYSTEM:

Initial Dose: When the system is noticeably fouled, apply 100-400 ml (100-400 ppm) of Biosperse CN5500 Microbiocide per 1,000 litres of water in the system.

Subsequent Dose: Maintain these treatments by starting a continuous feed of 15-300 ml (15-300 ppm) of Biosperse CN5500 Microbiocide per 1,000 litres of water in the system per day. Badlyfouled systems must be cleaned before treatment begins.

SERVICE WATER AND AUXILIARY SYSTEMS

Biosperse CN550 Microbiocide should be used in the same application rates, and in the same manner as for Air Washers and Recirculating Cooling Waters. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Hydrostatic Sterilizers and Retorts, and Pasteurizers and Warmers)

Biosperse CN550 Microbiocide should be used at the same application rates, and in the same manner as described in the Air Washers and Recirculating Cooling Tower section above. It should be added to the system at a point of uniform mixing such as a basin area, sump area or other reservoir collecting area from which the treated water will be circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks)

Biosperse CN5500 Microbiocide should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 450 to 2250 ml (450 to 2250 ppm) of Biosperse CN5500 Microbiocide per 1000 litres of wastewater or sludge.

AQUEOUS METALWORKING FLUID SYSTEMS

Biosperse CN5500 Microbiocide should be added to a metalworking fluid system at a point of uniform mixing such as the fluid collection tank. Additions may be added intermittently (SLUG DOSE) at intervals of one week or less. Initial dose: When the system is noticeably fouled apply 180-540 ml of Biosperse CN5500 Microbiocide per 1000 litres of metalworking fluid to the system. Repeat until control is achieved. Subsequent dose: When microbial control is evident, add 70-360 ml of Biosperse CN5500 Microbiocide per 1000 litres of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled systems should be cleaned before treatment is begun.

Compatibility of Biosperse CN5500 Microbiocide with a sterile sample of metalworking fluid should be checked for background demand.

WATER BASED COATINGS, PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

Add sufficient quantities of Biosperse CN5500 Microbiocide to produce a concentration of 100-600 ppm by weight of the formulation slurry (0.1-0.6 kg of product per metric tonne of slurry).

GENERAL PRESERVATIVE USE

Biosperse CN5500 Microbiocide is recommended for use in aqueous or water containing products and systems, including industrial, institutional and consumer in-can processes and products, to control the

growth of bacteria and fungi. For effective preservation, add Biosperse CN5500 Microbiocide to the product formulation at a rate of 0.02 to 0.2% (200 to 2000 ppm) based on the water content of the product (200 to 2000 ml of Biosperse CN5500 Microbiocide per 1000 litres water content). Mix uniformly. The maximum application rate for paint preservation is 100 ppm.

PRECAUTIONS:

HAZARDOUS TO HUMANS. DANGER. KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye and skin damage. Causes skin burns. Harmful or fatal if swallowed. Harmful if inhaled. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in some hyper-reactive individuals. Do not get in eyes, on skin or on clothing. Do not inhale fumes or vapours. Do not swallow. Wear goggles, face shield, and coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, socks, and chemical-resistant footwear during mixing, loading, application, clean-up, and repair. Wash thoroughly with soap and water after handling. Use only in well ventilated area. Remove contaminated clothing and shoes and wash them before reuse.

FIRST AID

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Corrosive. This product may produce a sensitisation response or allergic reaction in some individuals. Treat Symptomatically.

ENVIRONMENTAL HAZARDS

Toxic to aquatic organisms.

DISPOSAL

1. Triple, or pressure-rinse the empty container. Add rinsings to the treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of spill, and for clean-up of spills.

STORAGE

Biosperse CN5500 Microbiocide solutions are corrosive to many commonly used materials of construction such as steel, galvanised iron, aluminium, tin and zinc. These solutions can be stored and handled in baked phenolic lined steel, stainless steel or reinforced epoxy equipment. This product freezes at approximately -20°C (-4°F). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage (1 month) temperatures up to 38°C (100°F) can be tolerated; however, the preferred maximum storage temperature is approximately 27°C (80°F). Keep away from fire and open flames. A stainless steel centrifugal pump is suggested for transfer service. To prevent contamination store this product away from food or feed.

SPILLAGE

Absorb onto sand, earth or inert mineral. Sweep up and remove the spillage to a polythene lined container for subsequent correct disposal. Clean the area with detergent and water.

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