**Biosperse™ CN7539 MICROBIOCIDE**

**DANGEROUS MATERIAL**

**DANGER PELIGRO**

Danger. Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or clothing. Harmful if inhaled. Avoid breathing spray mist. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

- **Eye Protection:** Wear safety goggles and face shield.
- **Skin Protection:** Cover all long-sleeved shirts, pants, and socks and chemical-resistant footwear.
- **Face Protection:** Chemical-resistant respirators such as loose-laced, rubber, nitrile, neoprene rubber, polyvinyl chloride, or vinyl.

**Follow manufacturer’s instructions for cleaning/maintaining PPE.**

**Hazardous Materials:** For hazardous materials, use detergent and hot water.

Keep and wash PPE separately from other laundry.

**WASHING CLOTHES:** In the event of a spill, it is recommended to wash contaminated clothing together in a separate washing machine with detergent and hot water. Do not mix with other laundry.

**SAFETY MEASURES:**

- **Personal Hygiene:** After handling the product, wash hands thoroughly with soap and water.

**Storage and Disposal:**

- **STORAGE:** Keep container tightly closed. Store in a cool, dry, well-ventilated place. Do not store at elevated temperatures.

- **DISPOSAL:** Pesticide Storage: Keep container tightly closed. Store in a cool, dry, well-ventilated place. Do not store at elevated temperatures.

- **DISPOSAL:** Pesticide Waste: Acutely toxic if mixed with water. Do not mix with other pesticides or rinsates. Use in compliance with all applicable federal, state, and local laws and regulations. Follow the label instructions, contact your State Pesticide or Environmental Control Agency, or contact the Uniform Pesticide Identification Number (UPIN) or Common Name of the nearest EPA Regional Office for guidance. Consult the U.S. Department of Agriculture (USDA) Pesticide Registration Notice (PRN) and the Code of Federal Regulations (CFR) Title 40, Section 180 for complete disposal instructions. Do not re-use or re-fill this container. Triple rinse container or empty container and recycle or, if not recyclable, dispose of in an approved way or in accordance with local, state, and federal regulations.

**SAFETY PRECAUTIONS**

Hazard to Humans and Domestic Animals

**DANGER PELIGRO**

**KEEP OUT OF REACH OF CHILDREN**

**FIRST AID**

**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 center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for further 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.

**IF SKIN OR CLOTHING:** Take off immediately all clothing contaminated with product. Wash contaminated clothing immediately with plenty of water for 15-20 minutes. Call a poison control center 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 mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**FOR EMERGENCY INFORMATION CALL:**

- **1-844-SOLERIS (1-844-765-7647)**

Have the container or label with you when calling a poison control center or doctor, or going for treatment.

**DIRECT USES FOR:**

- It is a violation of Federal Law to use this product in a manner inconsistent with the label directions.

**INTERMEDIATE WATER BASED COOLANT FORMULATIONS**

Not Approved for use in California

Intermediate water based coolant formulations used in closed recirculating systems can become contaminated with microorganisms. This product is an excellent in-can preservative to inhibit the growth of microorganisms through storage, shipping, handling and use. Intermediate water based coolant formulations can contain from 0.35 to 0.65 oz of (860502) per gallon of (400 ppm) coolant. In-can preservation of the quality of the coolant formulation and to extend the usefulness of the liquid coolant system. Final use dilutions cannot exceed 500 ppm of the product in the final water based coolant formulation. In case of accidental treatment with coolant can be used in IMMERSION (Rheostatic Magnetic) treatment devices. This coolant is to be removed using the heat generated by the coolant coil and the gradient amplifier.

**REALCIRCUIT WATER SYSTEMS**

Not Approved for use in California

This product is effective for the control of bacterial, fungal and algae slime in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow through filters and lagoons, industrial water washing systems, brewery pasteurizers, hydrocrackers and reboil waters. This product may be added to the system either continuously or intermittently as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons of water/50 to 500 ppm in the system every 3 days or as needed to maintain control.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm in the system. Repeat until control is achieved. SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.3 to 3.3 pounds per 1000 gallons of water/50 to 400 ppm of blowdown (or water loss) from the system.

This product may be added to the system water by spraying on a walk-to pipe as needed. The frequency of feeding and the duration of treatment will depend upon the severity of the contamination. Additives to water systems should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

**INTERMITTENT OR SLUG METHOD:** When treatment is required, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm in the system already in the system, or being added to the system for 4 hours, 4 hours, 4 hours, 4 hours, and 2 hours. Before adding the control product, the system’s ability to control should be assessed.

**INTERMITTENT OR SLUG DOSE:**

- Initial: When the system is noticeably fouled, add this product at the rate of 4 to 10 pounds per 1000 gallons of water/400 to 1200 ppm of fluid in the system. Repeat every 4 weeks or until control is achieved. SUBSEQUENT DOSE: 0.3 to 3.3 pounds per 1000 gallons of water/25 to 50 ppm at the control product in-can preservation of the quality of the coolant formulation and to extend the usefulness of the liquid coolant system. Final use dilution cannot exceed 500 ppm of the product in the final water based coolant formulation.

- Continuous: The concentration of this product used can be varied based on the severity of the contamination. BADLY FOULED SYSTEMS should be cleaned before treatment is begun.

**AUXILIARY WATER/SERVICE WATER AND WASTE WATER SYSTEMS**

Not Approved for use in California

This product is effective for control of odor-forming bacteria, slime forming bacteria, fungi and algae in auxiliary water systems such as fire production systems and pump or screen boxes, waste water and waste material disposal, holding or recovery systems such as storage lagoons, evaporation, associated piping, settling ponds, lagoons, transport spills, or canals and disposal wells.

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm in the system. Repeat until control is achieved. SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons of water/ 50 to 500 ppm in the system every 3 days or as needed to maintain control.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm in the system. Repeat until control is achieved. SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.3 to 3.3 pounds per 1000 gallons of water/50 to 400 ppm of blowdown (or water loss) from the system.