BIOSPHERESE™ XD3899 MICROBIOCIDE

ACTIVE INGREDIENT
Ammonium Bromide.........................38.0%
OTHER INGREDIENTS........................62.0%
TOTAL........................................100.0%

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.

STORAGE
Store in a cool, dry, well-ventilated area, in well-closed original containers, away from energy sources, acids, alkaline, and heavy metal salts.

PESTICIDE DISPOSAL
Pesticide wastes are acutely hazardous. Improper disposal of excess spray mixture, or rinse water is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instruction, contact your State Pesticide or Environmental Control agent or the Hazardous Waste representative, at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL
Non-refillable container. Do not re-use or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly prior to emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty rinse into application equipment or a mix tank or store rinse for later use or disposal. Repeat this procedure two more times.

DO NOT SMOKE, DRINK, OR EAT WHEN HANDLING
DO NOT SHIP WITH FOOD, FEEDS, DRUGS, OR CLOTHING.
KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

BIOSPHERESE™ XD3899 is to be used only in conjunction with: 1) an oxidant such as Sodium Hypochlorite (typically 12.5%) to produce BIOSPHERESE™ XD3899 biocide; and 2) the BIOSPHERESE™ XD3899 feeder/delivery system (described below).

BIOSPHERESE™ XD3899 and the oxidant are mixed in a specially designed reactor which produces the biocide on-site. The BIOSPHERESE™ XD3899 feeding system controller assures the automatic production of the desired biocide solution and controls the optimization of the biocide production process. The design of treatment, installation, calibration and operation of the feeder system in all plants should be conducted only by authorized and trained personnel.

Use of this product for any other purposes or contrary to the instructions herein, or without the supervision of authorized trained personnel is prohibited.

The biocide produced by the feeder is immediately added to the process waters for which treatment is required. The biocide may be added to any point of plant mixing. Addition may be continuous or intermittent depending on the severity of the contamination when treatment starts, and on other system operation parameters.

RECRUITING COOLING SYSTEMS
Used effectively at dosages recommended to achieve exposure to 0.3-0.5 parts per million (ppm) of residual biocide expressed as total chlorine, or as needed to maintain control of algal, bacterial, and fungal algal in industrial cooling towers, evaporative condensers, heat exchange tower waters, influent systems such as flow through filters, industrial water recycling systems, breweries, processing systems, sewage systems (septic tanks, leach fields, tank lines, sewers, lagoons, and sewage effluent waters), industrial air-washing systems equipped with a mist eliminator.

Dosage Rates
Initial dose: When noticeably fouled, add sufficient biocide produced by the reactor to achieve a measured concentration of 0.3-0.5 ppm residual biocide, expressed as total chlorine. The recommended dosage is typically achieved by mixing 0.64 gallons of Sodium Hypochlorite (12.5%) with 0.22 gallons of BIOSPHERESE™ XD3899 in the reactor.

Subsequent doses: Once microbial control is evident, add sufficient biocide produced by the reactor to maintain the measured residual biocide concentration at 0.3-0.5 ppm in process waters, expressed as total chlorine. Continue as in initial dose.

Hercules Incorporated, A wholly owned subsidiary of Ashland Inc.
1313 North Market St.
Wilmington, DE 19894
(302) 684-8900
Emergency Phone Number
1-800-ASHLAND (1-800-274-5363)

Material Code:
Lot Number:
Net Weight: