



American Water Chemicals, Inc.

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PRODUCT DATA

AWC D-220 COOLING WATER MICROBIOCIDE

DESCRIPTION AND USE

AWC D-220 is a concentrated quaternary-based algaecide for use in recirculating cooling tower water systems. The product is effective over a wide pH range against algae, fungi, and slime forming bacteria typically found in these systems. Unlike most similar products it is an exceptional wetting agent and at normal use concentrations it will cause only minimal foaming in the treated systems. It is compatible with most water treatment formulations but should not be used with soap, sulfated oils or anionic surfactants.

CHEMICAL FEEDING AND CONTROL

AWC D-220 is normally shot fed to the system to be treated one (1) to three (3) times per week or as required to maintain control. Often, alternating the material with another type of microbiocide, either oxidizing or non-oxidizing will enhance the performance of both materials. The product should be added to the system at a point where rapid mixing will occur.

AWC D-220 is typically required at the rate of 3.0 to 8.0 fl. oz./1000 gallons water (25-60 ppm product) in the recirculating cooling system to be treated. There is a field test available to check the concentration of the product in the systems, however, system volume should be determined prior to application to assure proper additions are made. If necessary, increase the treatment frequency to bring the system under control. Badly fouled systems should be cleaned prior to treatment.

TYPICAL PROPERTIES

Appearance	Clear colorless to light yellow liquid
Odor	Mild characteristic
Specific Gravity	0.97 ± 0.01
pH (undiluted)	6.5 - 7.5

SAFETY AND HANDLING

AWC D-220 is moderately toxic if ingested. **DO NOT TAKE INTERNALLY.** If ingested, drink several glasses of milk, egg whites, gelatin solution or water. Do NOT induce vomiting. **GET IMMEDIATE MEDICAL ATTENTION.** Contact with eyes causes irritation. If eyes are contacted, immediately flush with clean water for 15 minutes and if irritation persists, get medical attention. If skin is contacted, immediately wash with soap and water. Change and launder contaminated clothing before reuse. The use of goggles or face shield and rubber gloves when handling this product is recommended. For more information, consult the Material Safety Data Sheet provided with this product.

PACKAGING

AWC D-220 is packaged in 55-Gal Drums and 5-Gal Pails. Other packaging also available by special request.