



American Water Chemicals, Inc.

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PRODUCT DATA

AWC D-545G COOLING WATER MICROBIOCIDES

DESCRIPTION AND USE

AWC D-545G is a highly concentrated glutaraldehyde based microbiocide for use in air washers, recirculating water cooling towers and pasteurizer cooling water systems, retort water systems, and industrial closed recirculating process water systems. The product is effective over a wide pH range of 6.0 - 9.5 against slime forming bacteria, sulfate reducing bacteria, and algae. The product functions to kill these microorganisms by reacting with the cell wall. Thus, it possesses many unique features when compared to other biocides:

- Very effective over a broad spectrum of organisms.
- Aqueous solution is relatively safe to handle and is easily diluted and mixed when treating water.
- Unlike most non-oxidizing microbiocides, it will function to clean up a biologically fouled system.
- Functions over a wide pH range and most rapidly at pH 8.5 - 9.5. Will **NOT** react with the wide range of inhibitors and anionic dispersants used in modern cooling water treatment.
- It is non-surface active and will therefore not cause objectionable foaming in treated systems.

CHEMICAL FEEDING AND CONTROL

When a system is noticeably fouled, **AWC D-545G** should be slug dosed to establish a concentration of 50-100 ppm actives in the recirculating water (i.e. 12.7-25.5 fl. oz **AWC D-545G**/1000 gals. contained water). Once control is evident, a dosage of 20-50 ppm actives (5.1-12.7 fl. oz **AWC D-545G**/1000 gals.) twice weekly will normally maintain control unless unusual conditions develop. Specific dosages for various applications can be found on product label.

TYPICAL PROPERTIES:

Appearance.....	Clear liquid
Odor.....	Sharp, pungent
Specific gravity.....	1.114-1.122
pH(@25°C).....	3.1-4.5
Flash point.....	Non-flammable
Freeze point.....	-17°C(1.4°F)

SAFETY AND HANDLING

AWC D-545G may be toxic by ingestion. **DO NOT TAKE INTERNALLY.** If ingested, do not induce vomiting. Do not give anything to drink. **GET IMMEDIATE MEDICAL ATTENTION.** Contact with eyes causes severe irritation or burns and irreversible eye damage. If eyes are contacted, immediately flush with clean water for 15 minutes and get medical attention. **VAPOR** is irritating to respiratory tract. 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-545G is packaged in 5 – Gal Pails and 55 – Gal drums. Other packaging available by special request.