

NALCO® 90001

Cooling Water Algaecide & Microbicide



An Ecolab Company

Product Bulletin

PRODUCT DESCRIPTION AND APPLICATION

NALCO 90001 is a non-oxidizing quaternary ammonium biocide effective for controlling algae and bacteria in recirculating cooling water systems, such as encountered within industrial and commercial building applications. Bacteria and algae set up conditions that promote deposition, corrosion and fouling. NALCO 90001 aids in cleaning and loosening slime deposits from cooling water systems and killing the microorganisms that form these deposits.

Program Benefits

- Broad-spectrum biocide, designed to control algae and bacteria:
 - increases system efficiency by maintaining clean heat exchangers and tower fill
 - minimizes repair and maintenance costs
 - avoids unsightly visible contamination
- Promotes a healthier operating environment by lowering system bacterial activity.
- Helps reduce overall biocide treatment costs.
- Functions over a wide pH range, either with or without halogens present, to ensure effective algae control in a broad range of applications.
- Helps reduce bacterial growth by minimizing nutrients that are produced from algae.
- Effective dispersant, which can remove slime deposits.

PHYSICAL & CHEMICAL PROPERTIES

Form	Liquid
Appearance	Clear, pale to light yellow
Odor	Slight
Density	0.96 kg/L

Specific Gravity @15.5°C	0.93
pH (Neat)	7.3
Freeze-Thaw Recovery	Complete
Freeze Point	-4°C
Flash Point	>66°C
Viscosity @25°C	< 100 cps

NOTE: These physical properties are typical values for this product. Please refer to the Material Safety Data Sheet (MSDS) for the most current data and complete information.

ACTIVE CONSTITUENTS

<u>Component(s)</u>	<u>Function</u>
DODMAC	Algaecide / Slimicide

See the MSDS for information on regarding hazardous components.

REGULATORY APPROVALS

NALCO 90001 must be applied according to appropriate national and local regulations.

Please refer to the MSDS, SECTION 15 for the most recent information on approvals.

MATERIALS OF COMPATIBILITY

<u>Compatible</u>	<u>Not Compatible</u>
PVC	Natural Rubber
Polyethylene	Neoprene
Polypropylene	Buna-N
Teflon	Viton
Kynar	
Kalrez	
Vinyl ester	
Stainless Steel 316L	

DOSAGE AND FEEDING

For complete dosage and feeding recommendations, contact your Nalco representative.

ENVIRONMENTAL AND TOXICITY DATA

Please refer to the MSDS, SECTIONS 11 and 12 for the most current data.

SAFETY AND HANDLING

Please refer to the MSDS, SECTIONS 3 and 8, for the most current data.

STORAGE

Store in suitable labeled containers. Store the containers tightly closed. Store away from heat and sources of ignition. Have appropriate fire

extinguishers available in and near the storage area. Connections must be grounded to avoid electrical charges.

The recommended in-plant storage limit for NALCO 90001 is six months.

Please refer to the MSDS, SECTION 7, for the most current data.

REMARKS

If you need assistance or more information on this product, please call your nearest Nalco Representative. For more news about Nalco Company, visit our website at www.nalco.com.

For **Medical and Transportation Emergencies** involving Nalco products, please see the Material Safety Data Sheet for the phone number.