

# NALCO® 8338

## *Closed System Treatment*



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Product Bulletin

### PRODUCT DESCRIPTION AND APPLICATION

**NALCO 8338** is a nitrite-based multifunctional chemical treatment used for the control of corrosion and fouling in closed cooling systems with ultra high heat flux and hot water loops.

**NALCO 8338** is a liquid product containing a combination of ferrous and nonferrous corrosion inhibitors, a noncarbonate buffer, scale inhibitors, and dispersants. This product does not contain an indicator dye.

### PHYSICAL & CHEMICAL PROPERTIES

These properties are typical. Refer to the Material Safety Data Sheet (MSDS), SECTION 9, for the most current data.

Form	Liquid
Color	Clear Yellow
Odor	Organic
Specific Gravity @77° F (25°C)	1.16 - 1.20
Density	9.7 - 10.0 lbs/gal [1.16-1.20 kg/l]
pH (100%)	11.5 - 14
Viscosity @ 70 °F [21°C]	3 cps
Freezing Point	2 °F [-16.7 °C]
Flash Point (PMCC)	None
Solubility in Water	Complete

ACTIVE CONSTITUENTS

Active	Function
Nitrate	Aluminum Corrosion Inhibitor
Nitrite	Carbon Steel Corrosion Inhibitor
Tolyltriazole	Copper Alloy Corrosion Inhibitor
Borate	Buffer
Anionic polymers	Dispersants/Scale inhibitor

REGULATORY APPROVALS

**NALCO 8338** is intended for industrial use only. It should not be fed to potable water systems.  
Please refer to the Material Safety Data Sheet for the most recent approval information.

MATERIALS OF COMPATIBILITY

Compatible	Not Compatible
Carbon Steel	Aluminum
EPDM	Brass
Polyethylene	
Polypropylene	
Stainless Steel 304	
Stainless Steel 316	
Buna-N	
Hypalon	
Neoprene	
Nickel	
Polyurethane	
Polyvinyl chloride (PVC)	
Teflon	
Vinyl	
Viton	
Plasite 4005	
Plasite 6000	
Plasite 7122	

DOSAGE AND FEEDING

For complete dosage and control recommendations, consult your Nalco representative.

## ENVIRONMENTAL AND TOXICITY DATA

Biological Oxygen Demand (5-day BOD5)	Not Available
Chemical Oxygen Demand (COD)	Not Available
Total Organic Carbon (TOC)	Not Available

Refer to SECTIONS 11 and 12 of the Material Safety Data Sheet for all available mammalian and aquatic toxicity information.

## SAFETY AND HANDLING

**NALCO 8338** is an alkaline product which may cause eye or skin irritation. Chemical resistant gloves and safety goggles should be worn when handling **NALCO 8338**. Read SECTION 8 of the Material Safety Data Sheet for specific personal protective equipment (PPE) and SECTION 3 for health effects information.

## STORAGE

**NALCO 8338** contains a reportable quantity substance (RQ). All storage vessels of **NALCO 8338** should be in secondary containment if the storage capacity exceeds the RQ of 500 pounds. See SECTION 15 of the Material Safety Data Sheet for this information.

**NALCO 8338** should be stored in a location where the product temperature can be kept in a range between 2°F (-16.7°C) and 120°F (49°C). In cold climates, heat tracing and insulation of exposed containers and transfer lines may be necessary.

Recommended in-plant storage limit is one year.

## 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](http://www.nalco.com).

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

## ADDITIONAL INFORMATION

NALCO is a registered trademark of Nalco Company (1-23-04)

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