

NALCO® TRAC109

Closed System Treatment



Product Bulletin

PRODUCT DESCRIPTION AND APPLICATION

NALCO TRAC109 is a liquid, nitrite-based chemical treatment used for the control of corrosion in closed cooling systems.

This product is designed to protect both mild steel and copper based alloys from corrosion.

NALCO TRAC109 can be easily monitored using Nalco's TRASAR technology.

PHYSICAL & CHEMICAL PROPERTIES

| | |
|------------------------|-------------------------|
| Form | Liquid |
| Color | Clear to light yellow |
| Odor | None |
| Density | 1.34 kg/L (11.18lb/gal) |
| Specific Gravity @25°C | 1.34 |
| pH (Neat) | 12 – 14 |
| Solubility in Water | Complete |
| Freezing Point | -25°C |
| Flash Point (PMCC) | None |
| Boiling Point | 106°C |

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

Ingredients are considered proprietary. See the MSDS for information on regarding hazardous components.

REGULATORY APPROVALS

NALCO TRAC109 is intended for industrial use only. It *should not* be fed to potable water systems.

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

MATERIALS OF COMPATIBILITY

Compatible

| | |
|--------------|---------------------|
| Brass | Polyethylene |
| Buna-N | Polypropylene |
| EPDM | Polyvinyl chloride |
| HDCL | Stainless Steel 304 |
| Hypalon | Stainless Steel 316 |
| Mild Steel | Teflon |
| Neoprene | Vinyl |
| Plasite 4300 | Viton |
| Plasite 7122 | |

Not Compatible

| | |
|--------------|--------------|
| Derakane 307 | Polyurethane |
|--------------|--------------|

See your local Nalco representative for compatibility information.

DOSAGE AND FEEDING

The dosage of NALCO TRAC109 will vary depending on the operating characteristics of your system.

For complete dosage, feeding points and feeding equipment, consult your Nalco representative.

ENVIRONMENTAL AND TOXICITY DATA

- Biological Oxygen Demand (5-day BOD5)
1,300 ppm

-
- Chemical Oxygen Demand (COD)
82,000 ppm
 - Total Organic Carbon (TOC)
7,200 ppm

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

SAFETY AND HANDLING

NALCO TRAC109 is an alkaline product which may cause eye or skin irritation. Chemical resistant gloves and safety goggles should be worn when handling **NALCO TRAC109**.

Read SECTION 8 of the MSDS for specific personal protective equipment (PPE) and SECTION 3 for health effects information.

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

STORAGE

NALCO TRAC109 contains a reportable quantity substance (RQ). All storage vessels of **NALCO TRAC109** should be in secondary

containment if the storage capacity exceeds the RQ of 240 pounds (109 kgs).

NALCO TRAC109 should be stored in a location where the product temperature can be kept in a range between -1°C] and 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.

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.