

# COLORCOOLING OS

## 1. DESCRIPTION

It is a specially formulated corrosion inhibitor with alkaline builders and sequestering agent. It provides excellent corrosion protection for fresh water diesel engine cooling system. It can be used in all cooling systems as jackets, pistons, injectors, cooling towers, coolers and piping.

It contains a color indicating system, which turns the solution clear when the pH falls below the safe level of 8.3.

## 2. DIRECTIONS FOR USE

Determine the quantity of treatment required for the system from the product dosage chart.

NOTE: Sacrificial anodes (magnesium or zinc) and galvanized coatings contained inside the cooling water system must be removed prior of the addition of **COLORCOOLING OS** as these materials are unnecessary in the treated system and can cause undesirable deposits if allowed to remain. Consult the local UNI AMERICAS' Representative for additional information.

The solution should be added to the system by addition to expansion tank or through a dosing line.

Ask UNI AMERICAS' Representative eventual automatic dosing system to feed the product.

System contaminated with oil and/or scale should be cleaned before applying **COLORCOOLING OS** treatment. Use **SEACLEAN** for degreasing and **DESCALING LIQUID** or **POWDER** for descaling operations.

## 3. INITIAL DOSAGE

### SODIUM NITRITE OR NITRITE RANGE

Effective control range **2300-4500 ppm of sodium nitrite** corresponding to **1500-3000 ppm of nitrite**.

To maintain adequate reserve **sodium nitrite** should not be allowed to fall lower than **2300 (1500 nitrite)**.

Consult your local UNI AMERICAS' Service Engineer for recommendations of the dosage rate based on specific problems and requirements onboard.

## 4. OTHER INFORMATION

**COLORCOOLING OS** is an efficient corrosion inhibitor. The eventual over dosages do not create any overheating.

- The concentration is easily determined on board by a simple analysis.
- It is easy to use. It can be used also when the cooling water is used as combustible for the ship's distillators.

**APPROVED BY MAJOR ENGINE MANUFACTURERS.**

**LIQUID ANTISCALANT COOLING WATER CONDITIONER, NITRITE / BORATE BASE, COLOR INDICATING**

### Product Highlights

- Corrosion protection for fresh water diesel engine cooling system.
- Can be used in all cooling systems.
- Concentration is easily determined on board by a simple analysis.
- Conditions metals to resist rust and prevents scale from being formed in the fresh water system.

### Product Characteristics

Appearance:	Clear liquid, red
Corrosive action:	None
Specific gravity:	1.1 (20°C)
Flash Point:	None
pH:	13

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clean chemicals clean ships clean seas



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- Conditions metals to resist rust and prevents scale from being formed in the fresh water system.
- Holds scale forming minerals in suspension.
- It contains a pink color indicating its presence in the water even without analysis. When the pink color change to color-less, pH has fallen below 8.3 or there is no more **COLORCOOLING OS** in the system.