

CorrShield* NT4207

Corrosion Inhibitor for Closed Recirculating Systems

- Prevents scale and sludge
- Compatible with antifreeze solutions
- Inhibits multi-metal systems

Description and Use

CorrShield NT4207 cooling water treatment provides superior corrosion inhibition to multi-metal systems operating at high or low temperatures. Recommended for diesel and other internal combustion engines, hot water heating systems, chilled water circuits and other closed systems containing ferrous and non-ferrous metals. The level of CorrShield NT4207 may be monitored by chemical analysis of nitrite concentration in the treated water. Nitrite may be determined by titration, except when antifreeze is present.

CorrShield NT4207 does not affect non-metal components or seals. Its low toxicity liquid nature permits convenient handling and minimal disposal problems.

Treatment and Feeding Requirements

In systems containing steel and copper or its alloys, a treatment level of 2500 to 3500 ppm (mg/L) is normally recommended. When aluminum is also present, a concentration of 3500 to 5500 ppm (mg/L) will normally be required. CorrShield NT4207 will elevate the pH of the water, and in some cases, the pH may exceed 10. This is not detrimental to steel or copper alloys. However, when aluminum is present, the pH should be maintained below 9.0. In any case, this product should be used in accordance with control parameters that GE Infrastructure Water & Process Technologies establishes for a specific application.

CorrShield NT4207 may be fed neat, or diluted with water to a 10% solution. Tanks, pumps, piping and valves may be made of mild steel or most common plastics.

General Properties

Physical properties of CorrShield NT4207 are shown on the Material Safety Data Sheet, a copy of which is available upon request.

Packaging Information

CorrShield NT4207 is available in a variety of containers and delivery methods. Contact your GE representative for details.

Storage

Protect from freezing. If this product is frozen during shipment or storage, slight mixing may be required to ensure homogeneity.

Safety Precautions

A Material Safety Data Sheet containing detailed information about this product is available upon request.



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