

NT 100

Closed system corrosion inhibitor

DESCRIPTION

NT100 is a blended corrosion and scale inhibitor designed for use in all types of closed loop systems including glycol loops, chilled water systems, hot water systems, process loops and alcohols. By combining borate-nitrite-silicate chemistry with supplemental inhibitors and pH buffers, this balanced formulation will protect multi-metal systems including iron, mild steel, bronze, copper, copper alloys and aluminum.

The yellow metal inhibitor (tolytriazole) used in the formulation ensures superior protection of copper and copper alloys for an extended period of time. NT 100 is compatible with ethylene or propylene glycol and can be used to re-inhibit glycol solutions or can be used as the initial inhibitor package. NT 100 also contains an effective polymer to prevent and disperse any hardness deposits that may form in the system when using hard water make-up.

TYPICAL APPLICATIONS

- Compatible with Ethylene Glycol, Propylene Glycol, Glycol Solutions or Alcohols
- Chilled or Hot Water Heating Systems, Process Heating or Cooling Systems
- Ideal for use in systems fed with hard water make-up

BENEFITS

- Superior corrosion protection
- Will not cause staining
- Concentrated formula
- Compatible with glycol solutions and alcohols

DOSAGE

For effective corrosion control, maintain Nitrite concentrations between 500 – 1,000 mg/L. A periodic Nitrite test should be performed to ensure that Nitrite levels are within the recommended control range. The dosage of NT 100 will vary depending on system operating conditions and water quality. The recommended minimum dosage is 5 liters per each 1000 liters of untreated system volume.

FEEDING

NT 100 may be fed without dilution directly to the system via a by-pass or pot-feeder. It may also be fed by a chemical pump to an area of good mixing within the system. No special materials of construction are required for the chemical feed system.

PACKAGING & DELIVERY

NT100 is available in 20 Liter pails, 205 Liter drums, totes and bulk. The product containers should be kept tightly closed. Protect from freezing.

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PRODUCT SAFETY

NT100 should be handled with appropriate care. All plant personnel who may have contact with NT100 should review the Material Safety Data Sheet to familiarize themselves with the application, handling, storage and disposal procedures before using this product

PRODUCT SPECIFICATIONS

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|-------------------------|--------------------|
| Specific gravity | 1.20 |
| pH | 11.5 – 12.5 |
| Freezing point | - 5°C |
| Appearance | Pale yellow liquid |
| Odour | Sweet |
| Flash point | Not applicable |

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