

## NT 102

### Closed system corrosion inhibitor

#### DESCRIPTION

NT 102 is a multifunctional inhibitor for closed loop systems. NT102 is a synergistic blend of corrosion inhibitors 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 nitrite-molybdate chemistry with supplemental inhibitors and pH buffers, this balanced formulation will protect multi-metal systems including iron, mild steel, bronze, copper, and copper alloys.

NT 102 is compatible with ethylene or propylene glycol and can be used to re-inhibit glycol solutions or used as the initial inhibitor package. NT 102 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
- For use in systems fed with hard water or softened 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 250 – 300 mg/L. At this concentration, a Molybdate concentration of 50 – 60 mg/L will also develop. A periodic Nitrite or Molybdate test should be performed to ensure that Nitrite levels are within the recommended control range. The dosage of NT 102 will vary depending on system operating conditions and water quality. The recommended initial dosage is 2 liters per 1000 liters.

#### FEEDING

NT 102 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

NT102 is available in 20 Liter pails, 205 Liter drums, totes and bulk. The product containers should be kept tightly closed. Protect from freezing.

## NT 102

Closed system corrosion inhibitor

### PRODUCT SAFETY

NT102 should be handled with appropriate care. All plant personnel who may have contact with NT102 should review the Material Safety Data Sheet to familiarize themselves with the application, handling, storage and disposal procedures before using this product

### PRODUCT SPECIFICATIONS

Refer to the Material Safety Data Sheet for detailed product specifications and physical properties.

*Technical Bulletin No.: NT1023700. CAN*

Recommendations given in this bulletin are based on tests believed to be reliable. However, the use of the product is beyond the control of Vedra Industries, and no guarantees, expressed or implied, are made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from misuse of the product as such, or in combination with other material. This bulletin is not to be taken as a license to operate under or recommendation to infringe any patent.