

# VANCHEM<sup>®</sup> NATD

Corrosion inhibitor  
and chemical  
intermediate

## TECHNICAL DATA

**VANCHEM<sup>®</sup> NATD** is a water solution with 30% active ingredient of disodium 2,5-dimercaptothiadiazole which functions as a corrosion inhibitor and metal deactivator for nonferrous metals in aqueous systems.

## CHEMICAL COMPOSITION

Disodium 2,5-dimercaptothiadiazole in water

## TYPICAL PROPERTIES

Physical State	Clear Liquid free of solids
Appearance	Amber
Density at 25°C, Mg/m <sup>3</sup>	1.22
Assay, %	30.0

\*The analytical data listed above are not specifications

## APPLICATIONS

- Coolant
- Water-based fluids, including metal-working fluids

## RECOMMENDED TREAT RATES

- Recommended treat rates are 0.1 to 0.25%

## ADVANTAGES

- Works as an effective corrosion inhibitor and metal deactivator for non-ferrous metals in aqueous-based systems
- Protects solder, aluminum, copper and copper alloys
- Demonstrates better stability and activity at lower pH values than inhibitors containing only a single thiol (S-H) group (like dimercaptothiadiazoles)
- Provides a convenient aqueous source of the chemical intermediate dimercaptothiadiazole
- Represents the preferred starting material for reacting with organic halides, acetal formation and metal ion exchanges
- Acts as an excellent source of DMTD for oxidation, acylation and additions across double bond reactions

## SOLUBILITY

- Soluble in water

## STANDARD PACKAGING

- 45 lbs. pails
- 550 lbs. plastic drums
- 3300 lbs. Totes
- Bulk shipments available

## HANDLING AND STORAGE

Please refer to Section 7 of SDS for handling and storage information.

### **Additional handling and storage information:**

If stored at less than 40°F mix or stir before using

Long Term Maximum Storage Temperature is Room Temperature

## REGISTRATION

Please refer to section 15 of SDS for regulatory information.

## CONTACT INFORMATION

For samples, product information and/or technical service, please contact Vanderbilt Chemicals, LLC or the Vanderbilt representative in your area:

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