



VANCHEM™ DMTD

**Corrosion Inhibitor,
Metal Deactivator,
Chemical
Intermediate**

TECHNICAL DATA

VANCHEM™ DMTD can be used as an ashless corrosion inhibitor and metal deactivator. It is also used as a chemical intermediate for making other DMTD derivatives. Common reactions are double decomposition reactions with soluble metal salts, salt formation with alkaline metal hydroxides, oxidation reactions involving mercaptans, addition reactions with organic compounds containing activated double bonds, reaction with epoxy groups, reaction with aldehydes and alcohols, salt formation with amines and ammonia and reactions with acyl chlorides. The two active sites on VANCHEM DMTD can generally be reacted successively.

CHEMICAL COMPOSITION

2,5-dimercapto-1,3,4-thiadiazole

TYPICAL PROPERTIES

| | |
|---|-----------------------|
| Physical State | Powder |
| Appearance | Cream to Light Yellow |
| Density @ 15.6°C, Mg/m³ | 1.79 |

*The analytical data listed above are not specifications

APPLICATIONS

- Coolant
- Water-Based Fluids
- Metalworking Fluids
- Greases

RECOMMENDED TREAT RATES

- Chemical intermediate

ADVANTAGES

- Contains no metals
- Offers high activity (>96% assay)

SOLUBILITY

- Soluble in water, ethanol, acetone and esters.
- Slightly soluble in petroleum lubricant bases, hexane, petroleum ether, chloroform and toluene

STANDARD PACKAGING

- Fiber drums (110 lbs. net)
- Bulk in Super sacks (925 lbs. net)

HANDLING AND STORAGE

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

Additional handling and storage information:

Long Term Storage Temperature is Room Temperature

Short Term Maximum Temperature is 60°C

REGISTRATION

Please refer to section 15 of the 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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