

CUVAN[®] 303

**Corrosion Inhibitor/
Metal Deactivator**

TECHNICAL DATA

CUVAN[®] 303 is an oil-soluble corrosion inhibitor and metal deactivator for lubricants, greases and metalworking fluids. As a corrosion inhibitor, it protects copper and copper alloys effectively from corrosion; has also been reported to protect cadmium, cobalt silver and zinc.

CHEMICAL COMPOSITION

N,N-bis(2-ethylhexyl)-ar-methyl-1H-benzotriazole-1-methanamine

TYPICAL PROPERTIES

Physical State	Liquid
Appearance	Clear yellow to brown
Color, ASTM D1500	L1.5
Viscosity at 40°C, mm²/s	73.0
Viscosity at 100°C, mm²/s	5.81
Flash Point, PMCC, °C	125

*The analytical data listed above are not specifications

APPLICATIONS

- Engine oils
- Greases
- Automatic transmission fluids
- Gear oils
- Hydraulic fluids
- Heat transfer fluids
- Process oils

RECOMMENDED TREAT RATES

- Typical range is 0.05 to 0.2 wt. % but can vary based on formulation style and application.

ADVANTAGES

- Offers excellent oil solubility as tolutriazole derivative for use in highly refined mineral oils
- Easy to handle as low viscosity liquid
- Used in a wide variety of lubricants as a light colored corrosion inhibitor
- Protects copper, copper alloys, cadmium, cobalt, silver and zinc effectively from corrosion
- Can complex with metals that catalyze oxidation and passivate this effect

SOLUBILITY

- Soluble in mineral and synthetic base oils

STANDARD PACKAGING

- 180 kg. drum

HANDLING AND STORAGE

STORAGE

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

HANDLING

Suggested pumping temperature is room temperature. Short and long term maximum handling temperatures are 90°C and room temperature respectively.

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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