

## INVERMUL® NT

Emulsifier

Product Data Sheet

### Product Description

INVERMUL NT blend of oxidized tall oil and polyaminated fatty acid is the basic ingredient of Baroid's water-in-oil emulsion drilling fluids. INVERMUL NT emulsifier helps stabilize emulsion, aid suspension properties, and reduce filtration. INVERMUL NT emulsifier is used with lime to produce a calcium soap emulsifier in-situ.

### Applications / Functions

- Helps form stable water-in-oil emulsions
- Helps lower filtration rates
- Helps impart high temperature stability to oil-based fluids

### Advantages

- Can be added directly to the system
- Resists electrolyte contamination

### Typical Properties

- |                     |             |
|---------------------|-------------|
| • Appearance        | Dark liquid |
| • Flash point, SETA | 156 °F      |
| • Flash point, SETA | 69 °C       |
| • Specific gravity  | 0.94        |

### Recommended Treatment

1. For normal applications, add 4-12 lb/bbl (11.41-34.24 kg/m<sup>3</sup>).
2. For high temperatures (>350°F), add 10-25 lb/bbl (28.53-71.33 kg/m<sup>3</sup>).
3. For relaxed-filtrate systems, add 0.25-4.0 lb/bbl (0.71-11.41 kg/m<sup>3</sup>).

Note: For every pound of INVERMUL NT emulsifier that is added to the system, add 0.5 lb/bbl (1.4 kg/m<sup>3</sup>) of lime.

### Packaging

INVERMUL NT emulsifier is packed in 55-gal (208-l) drums.

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