

# NOVATEC F

NOVATEC\* F additive is a maleated rosin polymer/glycol ether used as a fluid-loss reducer in the NOVATEC synthetic drilling fluid system.

NOVATEC F additive is also effective in reducing filtration properties in synthetic paraffin and mineral-oil-base systems.

### Typical Physical Properties

Physical appearance .....	Dark-brown liquid
Specific gravity .....	1.01
Solubility.....	Insoluble in water
Flash point .....	>167°F (>75°C)
Viscosity, cP at 77°F (25°C) .....	129
Boiling point (760-mm Hg) .....	356°F (180°C)
Freezing/melting/pour point .....	23°F (-5°C)

### Applications

NOVATEC F additive is used to provide supplementary fluid-loss control in the NOVATEC system, normally at high oil/water ratios and at temperatures >300°F (>149°C). Treatment levels required depend on the desired filtration control, the brine ratio and density of the drilling fluid but will typically be in the range of 0.33 to 0.85 gal/bbl (8 to 20 L/m<sup>3</sup>). Pilot testing to determine necessary concentration is recommended.

### Advantages

- Imparts rapid reduction in HTHP filtration when used at relatively low concentration levels
- Stable to high temperatures >400°F (>204°C)
- Effective in a wide range of synthetic fluids including olefin and paraffin-base systems, as well as mineral-oil-base drilling fluids

### Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

### Packaging and Storage

NOVATEC F additive is packaged in 55-gal (208-L) steel drums, 195-kg net weight.

Store in a tightly closed original container in a cool, dry and well-ventilated place.



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