

## Technical Data Sheet

# Polysec® *Vis Plus*

## Liquid PHPA Drilling Fluid Polymer

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| <b>Description</b>               | Polysec <i>Vis Plus</i> is high molecular weight, multi-functional liquid polymer designed to improve drilling efficiency in fresh water systems. This low viscosity emulsion allows for easy mixing and rapid yield.   |
| <b>Principle Uses</b>            | Designed for use in water-based systems for clay and shale inhibition, improved viscosity, fluid loss control, friction reducer, and bit lubrication.   |
| <b>Typical Properties</b>        | Appearance: Opaque Liquid<br>Ionic Character: Anionic<br>Flash Point: >200 °F (93°C)<br>pH of 1% Solution @ 25°C: 6.5-7.5<br>Pour Point: 5°F (-15°C)<br>Specific Gravity: 1.02-1.06<br>Viscosity: 500-1500 cps  |
| <b>Characteristics</b>           | <ul style="list-style-type: none"><li>• Quick mixing and rapid yield in fresh water.</li><li>• Inhibits sticky clay and shale from swelling and bit balling.</li><li>• Disperses easily with moderate shear in fresh water.</li><li>• High lubricity reduces torque.</li><li>• Flocculates non-reactive solids in reserve pit.</li><li>• Offers stability in foam drilling.</li></ul> |
| <b>Mixing &amp; Applications</b> | For inhibition or as a viscosifier, Polysec® <i>Vis Plus</i> should be added to the drilling fluid at a rate of 0.5-2.0 lbs/bbl.  |
| <b>Packaging</b>                 | 5-gallon pails, 32 pails per pallet. All pallets are plastic-wrapped.   |
| <b>Health &amp; Safety</b>       | Polysec® <i>Vis Plus</i> exhibits a low order of toxicity. However, precautions should be taken to avoid inhalation, ingestion, or contact with skin or eyes. For additional information, see the appropriate MSDS.   |

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