

## Technical Data Sheet

# Polysec® DX

## Drilling Fluid Polymer

<b>Description</b>	Polysec DX is a multi-functional synthetic, anionic, acrylate-based polymer with low molecular weight and is a free-flowing powder. Polysec® DX's primary function is as a fluid loss and shale stabilization agent. Additionally, it acts as a viscosifier and increases lubricity in the borehole.
<b>Principle Use</b>	Designed for use as a drilling fluid polymer in water-based systems for improved fluid loss control and shale stabilization/inhibition.
<b>Typical Properties</b>	Appearance: White Fine Granules Ionic Character: Anionic Bulk Density: 0.8 g/cm <sup>3</sup> pH of 0.5% solution @ 25° C: 6.5-7.5
<b>Characteristics</b>	<ul style="list-style-type: none"><li>• Quick mixing and rapid yield in fresh water.</li><li>• Eliminates clay and shale swelling.</li><li>• Provides excellent borehole stability.</li><li>• High lubricity reduces torque.</li><li>• Maintains borehole integrity in both horizontal and vertical holes.</li></ul>
<b>Mixing &amp; Applications</b>	<p><u>Fluid Loss Control</u> Add 0.50-2.0 lbs/bbl to fresh-water mud.</p> <p><u>Shale Inhibition</u> Add 0.50-1.0 lb/bbl to fresh-water mud.</p>
<b>Packaging</b>	50 lb multi-walled, poly-lined, paper bags, 30 bags per pallet. All pallets are plastic wrapped.
<b>Health &amp; Safety</b>	Polysec DX 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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