Oilfaze* additive, a blend of asphalts, surfactants and organic soaps, is the basic material for preparing the Oilfaze system.

It is compatible with freshwater, sodium chloride (NaCl) or calcium chloride (CaCl2) and can be formulated to balance chemically with the formations being drilled. Oilfaze agent provides filtration control and rheological stability over a wide range of temperatures and is resistant to most contaminants.

**Typical Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical appearance</td>
<td>Coarse grind, ash-gray powder</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.3 to 1.5</td>
</tr>
<tr>
<td>Bulk volume</td>
<td>1.5 ft³/50-lb (.042 m³/22.7 kg) bag</td>
</tr>
</tbody>
</table>

**Applications**

Oilfaze agent is designed to provide viscosity, gel strengths and fluid-loss control in water-in-oil emulsions prepared with diesel oil or selected crudes.

Oilfaze additive has been used successfully in drilling, coring, workover and completion fluids and in special applications such as casing pack, packer fluids and soak solutions for freeing stuck pipe.

Oilfaze blend is stable to most contaminants and can be used to drill gauge holes in water-sensitive formations. It has proven successful in applications where bottom-hole temperatures have exceeded 500°F (260°C). Oilfaze additive is added at a constant ratio of 50 lb (22.7 kg) per 42 gal (159 L) of diesel oil.

**Advantages**

- Resistant to contaminants
- Corrosion protection
- Reduces drillstring torque and drag

**Limitations**

- Higher temperatures will require additional wetting, fluid-loss control, and emulsification additives
- Acid gases (CO₂, H₂S) will likewise require additional materials to stabilize the system

**Toxicity and Handling**

Bioassay information is available upon request.

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

**Packaging and Storage**

Oilfaze additive is available in 50-lb (22.7-kg), multi-ply paper bags.
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