



Just The Right Chemistry

TECHNICAL DATA SHEET
March 1, 2003

DSC HEC Linear Gel E
Environmentally Safe Liquid HEC Polymer Viscosifier

Description

DSC HEC LINEAR GEL E is a pure, high viscosity hydroxyethyl cellulose polymer suspension in an environmentally safe base fluid. **DSC HEC LINEAR GEL E** exhibits an exceptionally stable and long lasting shelf life.

Application:

DSC HEC LINEAR GEL E does not form a sheen when mixed with various completion fluids and will pass the bucket sheen test. When **DSC HEC LINEAR GEL E** is mixed with completion fluids it has an oil and grease value that will meet the stringent MMS regulations. **DSC HEC LINEAR GEL E** exhibits good blending ability when admixed with low and high density brines.

Recommended Treatment:

DSC HEC LINEAR GEL E does not require any special mixing or handling procedures. Because of low shear rates required when mixing **DSC HEC LINEAR GEL E**, mild agitation is recommended while pouring the specified amount of **DSC HEC LINEAR GEL E** into the brine solution. In special applications such as in brine solutions containing low levels of Zinc ions, it is necessary to warm the brine solution prior to adding **DSC HEC LINEAR GEL E** to obtain the necessary viscosity values. **DSC HEC LINEAR GEL E** will impart the desired viscosity that should be measured by using the FANN 35 method. Please see the attached viscosity profile for detailed loading.

PHYSICAL PROPERTIES:

Specific Gravity at 77°F.....	9.1 PPG
Active HEC in suspension.....	3.45 PPG
LC50 of slurry in sea water(<i>loading level 2 PPB</i>).....	142,000 PPM
Oil Grease Content of the slurry in sea water.....	5.2 PPM

Packaging:

DSC HEC LINEAR GEL E is available in 5 gallon pails or 330 gallon tote tanks.