

# Kemdrill A-2703

*Solutions Through Technology..... Environmentally Friendly Chemicals*

## Product Description

**Kemdrill A-2703** is a dry, powdered, high-molecular weight sodium polyacrylate polymer.

## Application

**Kemdrill A-2703** is a filtration rate and rheological control (thinning) agent for low-solids, fresh water muds. The product is used primarily to reduce the API and HTHP filtration rate of the drilling fluid. The product is also an effective thinner/deflocculant for clay containing systems where normal lignite or lignosulfonate thinners are not normally used. Where soluble calcium (>200 ppm) is present, the fluid should be treated to remove the calcium before addition of **Kemdrill A-2703**.

## Recommended Treatment

**Kemdrill A-2703** is usually effective at concentrations of 0.5 to 1.0 lb/bbl (1.4 – 2.9 kg/m<sup>3</sup>). The product should be added through the mud hopper at a controlled rate to insure uniform distribution and avoid the formation of lumps or “fisheyes”. **Kemdrill A-2703** should not be used in fluid systems having elevated calcium (>140 ppm) and systems with higher pH and significant amounts of soluble calcium.

## Handling

Always use proper Personal Protective Equipment. Use in only well ventilated areas. Avoid contact with eyes. Flush eyes immediately for 15 minutes while holding eye lids open. Avoid skin contact. If contact occurs, wash immediately with soap and water.

*See SDS for further details regarding the safe use of this product.*

## Storage

Store in closed containers, in a dry area protected from precipitation and contact with moisture.

## Packaging

**Kemdrill A-2703** is packed in 50lb sacks & Super sack quantities.

## Typical Chemical and Physical Properties

Solubility.....	Rapid and completely soluble
Appearance .....	Off -white to cream powder
Charge .....	Anionic
pH of 15% solution .....	9.0 – 10.0
Solids.....	50%
Bulk Density, lb/ft <sup>3</sup> .....	36 -39