

# ANCO THIN HT L

*Solutions Through Technology.....*

*Environmentally Friendly Chemicals*

## Product Description

ANCO THIN HT L is a proprietary blend of thermally stable, synthetic polymers, supplied as a high concentration aqueous solution.

## Typical Application

ANCO THIN HT L is a thermally stable, deflocculant (thinner) and polymeric encapsulator for clay and/or solids containing, water based fluids. It is an environmentally acceptable alternative to heavy metal lignosulfonates, lignites and tannin based thinners. ANCO THIN HT L can be used to modify and stabilize the viscous properties of water based fluids, and is an effective additive for controlling rheology during breakover to a salt water system.

A high concentration pill (or sweep) of ANCO THIN HT L can also be used to induce the breakdown of wallcake prior to cementing or completion operations.

ANCO THIN HT L also provides supplementary inhibition (encapsulation) to reactive shales and claystones in fluid systems that cannot tolerate the addition of ANCO POL (PHPA) or other high molecular weight polymers.

## Product Advantages

- Effective at temperatures in excess of 400°F.
- Tolerates (resists) the contaminating effects of calcium & magnesium ions.
- Enhances and improves filtration rate control.
- Functions at virtually all pH levels.
- Is non-toxic - contains no heavy metals.
- Can be used when drilling green cement.

## Recommended Treatment

Optimum treatment with ANCO THIN HT L will depend upon desired function, pre-existing properties, and total solids content of the fluid. Typical treatment levels are within the range of 0.125 to 1.0 gal/bbl (0.3 - 2.4 l/m<sup>3</sup>). Treatments to enhance inhibition (encapsulation) are typically within the range of 0.25 to 0.75 gal/bbl (0.6 - 1.8 kg/m<sup>3</sup>).

## Handling

Employees should utilize normal precautions when handling chemical products. The use of safety goggles, gloves and apron are recommended when handling this product. In case of eye contact, flush with clean fresh water for 15 minutes and seek medical advice. In the event of skin contact, wash the affected area with soap and water. Review the Material Safety Data Sheet (MSDS) for this product prior to use.

## Storage

Store in closed containers, at ambient temperatures. Long-term outside storage should be avoided when possible.

## Packaging

ANCO THIN HT L is supplied in 55 gallon non-returnable steel drums or in 5 gallon plastic pails.

## Typical Chemical and Physical Properties

Specific Gravity g/cm <sup>3</sup> . . . . .	1.27 - 1.3
Solubility . . . . .	Solubility in water is limited by viscosity
Appearance . . . . .	Clear pale yellow to amber liquid
Color . . . . .	Amber
Odor . . . . .	Odorless to slight, mild
Boiling Point, °F . . . . .	212
pH . . . . .	6.5 - 7.0
Temperature Stability, °F . . . . .	>400