

# TURBO-CHEM<sup>®</sup>

## INTERNATIONAL, INC.

The Wellbore Stability Specialists

# SYN-Trol

Chemically modified powdered organo-resin

## DESCRIPTION

SYN-Trol is a single sack, chemically modified powdered organo-resin non-fluorescent compound. Contains no Gilsonite, asphalt or asphalt derivatives. It is an oil-dispersible additive designed for efficient seepage loss and/or lost circulation control in water, oil, and synthetic systems and also provides rapid effective filtrate control.

## TYPICAL PHYSICAL PROPERTIES:

- Bulk Density Compacted (lb. / ft<sup>3</sup>): 59-73  
Un-Comp. : 43-57
- Appearance: Black Powder
- Odor: Slight
- Moisture Content: 8-10 %

## RECOMMENDED TREATMENT:

System Treatment rates are 2-10 ppb or as dictated by the fluid engineer on location per specific wellbore condition. A pill containing 15 ppb First Response and 10 ppb SYN-Trol can be applied in a sweep fashion to reduce mud seepage loss, stabilize shale sections, seal low pressure sands, or to coat, seal, and lubricate wellbore prior to logging or running casing. The same formula can be used to spot a pill across a troublesome zone while tripping, logging, or running casing.)

## HANDLING:

Available in 50 lb. sacks.

## DRILLING FLUID ADDITION

### COMPATIBILITY:

SYN-Trol is compatible in all mud types.

### BENEFITS:

- ✓ SYN-Trol is effective at both low and high temperatures and has a broad application in water base and oil base muds
- ✓ SYN-Trol also reduces differential sticking tendencies in low-pressure sands. The lubricating qualities impart friction reduction to enhance rotary and motor drilling as well as logging and casing runs
- ✓ Highly efficient at sealing micro-fractured formations while minimizing unstable wellbore situations.
- ✓ Highly effective HTHP water loss reduction results in thin, tough, lubricated filter cake development.
- ✓ Unlike asphalt based materials, SYN-Trol is malleable even at low temperatures, and is able to extrude into micro-fractures.
- ✓ Decreases borehole erosion, washouts, and key-seating tendencies .
- ✓ Improved emulsion stability, improved suspension, and more stable rheological properties in water, oil and synthetic based drilling fluids.

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