



## DRILLING FLUID PRODUCTS

### TECHNICAL INFORMATION

#### IM-TROL™ MODIFIED HYDROCARBON RESIN HTHP Filtration Control Aid for Oil Based Drilling Fluids

IM-TROL is a modified hydrocarbon, primarily used as an additive for reducing fluid loss in high temperature and high pressure wells. IM-TROL will also impart temperature stability of treated oil based mud.

#### Product Specifications:

Property	Specification
Bulk Density (kg/m <sup>3</sup> )	550 – 750
Specific Gravity	1.4 – 1.6
pH (5% solution in distilled water)	Neutral
Melting Point (°C)	> 200
Flash Point (°C)	> 315
Solubility	Partially in hydrocarbons
Appearance	Fine black powder

#### Functions:

IM-TROL has the following functions:

- Reduces the filtration rate (HTHP and API) of the drilling fluid.
- Will increase the viscosity of the mud, due to its partial solubility.
- Enhances emulsion and thermal stability.
- Maintains performance at down-hole temperatures in excess of 200 °C

#### Recommended Treatment:

Concentrations in the range of 2 - 8 lb/bbl (5.7 – 23 kg/m<sup>3</sup>) are recommended to control drilling mud properties. The quantity used would be dependent on the base oil, drilling depth and equipment.

In initial formulation, IM-TROL should be added last. For existing systems, the product should be added slowly.

#### Packaging:

Packaged in 25 kg multi wall paper and HDPE sacks.

#### Legislation and Handling Recommendations:

Not restricted by any regulatory agency. Refer to the Material Safety Data Sheet (MSDS) for the product prior to use.