



DRILLING FLUID PRODUCTS

TECHNICAL INFORMATION

IM-TROL™ HT SODIUM SULFONATE ASPHALT

Shale Stabilizer and Filtration Control Aid for Water and Oil Based Drilling Fluids

IM-TROL HT is a sodium sulfonate asphalt shale stabilizer for use in water and oil based drilling fluids. IM-TROL HT is partially water soluble and is a chemical treatment for shale control. The insoluble portion of IM-TROL HT provides physical plugging effect to control unstable shale zones.

Product Specifications:

Property	Specification
Bulk Density (kg/m ³)	750 – 875
Specific Gravity	1.2 – 1.5
pH (2% solution in distilled water)	8.0 – 9.5
Moisture Content (oven dried)	Max. 10 %
Solubility (in water)	70 ± 5 % (wt)
Appearance	Fine dark brown to black powder

Functions:

IM-TROL HT has the following functions:

- Effective in reducing sloughing shale problems thereby stabilizing the well bore with minimal effect on rheology.
- Assists in building a thin, strong filter cake and significantly reduces HTHP mud loss.
- Acts as a lubricant to reduce drag and torque
- 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/m³) are recommended to control drilling mud properties.

Preventative Chemical Treatment: 2 – 4 lb/bbl

Severe Sloughing Shale Sections: 4 – 6 lb/bbl

The quantity used would be dependent on the base oil, drilling depth and equipment.

Packaging:

Packaged in 50 lbs (22.7 kg) and 55 lbs (25 kg) multi wall paper 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.