PHALT

OBM Filtration Control Additive

Product Description

PHALT is a nat urally occurring asphalt used for high-temperature, high-pressure (HTHP) filtration control in oil-base systems. It is often used to seal low-pressure and depleted formations.

Typical Physical Properties

Physical appearance	Black powder
Specific gravity	1.03-1.06
Bulk Density	~34 lb/ft3 (540 kg/m3)
Flash point (COC)	590°F (315°C)
Ash content	<3%

Application

PHA LT reduces both API and HTHP fluid loss in all oil-base muds. It helps improve the overall emulsion stability, thermal stability and suspension characteristics of most oil-base formmulations PHALT also inncreases viscosity, especially at lower temperatures due to its partial solubility.

Advantages

- Reduces API and HTHP fluid loss in oil-mud systems
- Enhances emulsion and thermal stability
- Effective at all temperatures

Limitations

Environmental restric ions concerning the use of oils and oil-base fluids should be considered since PHALT is used in conjunction with oil.

Recommended Treatment

Typical concentrations range from 2 to 8 lb/bbl (5.7 to 23 kg/m3), with occasional daily additions in the 0.25 to 0.5 lb/bbl range (0.71 to 1.43 kg/m^3). High-temperature situations and special applications require higher concentrations, as much as 10 lb/bbl (29 kg/m^3).

When used in the initial formulation, it is recommended to add PAL PHALT last. For existing systems, the product can be added at any time, mixed slowly during at least one complete circulation.

Toxicity and Handling

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

PHA LT additive is packaged in 55-lb (25 kg), multi-wall paper sacks.

Store in a dry location away from sources of heat or ignition, and minimize dust.

Important Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and method of use of our product are beyond our control. We recommend that the prospective user determine the suitability of our material and suggestions before adopting them on a commercial scale.