

VERSATROL[®] *VERSATROL gilsonite is a natural occurring asphalt used for High-Temperature, High-Pressure (HTHP) filtration control in all VERSA oil-base systems. It is often used to seal low-pressure and depleted formations. It is compatible with all VERSA systems and can be used in the initial formulation or added later.*

TYPICAL PHYSICAL PROPERTIES

Physical appearance	Black powder
Specific gravity	0.95 – 1.14
Bulk density	~34 lb/ft ³ (540 kg/m ³)
Flash point	600°F (316°C) (COC)
Melting point	>400°F (204°C)
Ash content	<3%

APPLICATIONS

VERSATROL will reduce both API and HTHP fluid loss in all oil-base muds. It helps to improve the overall emulsion stability, thermal stability and suspension characteristics of most oil-base formulations. VERSATROL also increases viscosity, especially at lower temperatures due to its partial solubility.

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/m³). High-temperature

situations and special applications require higher concentrations, as much as 10 lb/bbl (29 kg/m³).

When used in the initial formulation, it is recommended to add VERSATROL last. For existing systems, the product may be added at any time, mixed slowly during at least one complete circulation. Pilot testing is advised to determine the necessary treatment to achieve the desired results and to observe the change in mud properties.



ADVANTAGES

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

LIMITATIONS

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

TOXICITY AND HANDLING

Bioassay information is available upon request.
Handle as an industrial chemical, wearing protective equipment

and observing the precautions as described on the Material Safety Data Sheet (MSDS).

PACKAGING AND STORAGE

VERSATROL is packaged in 50-lb (22.7-kg) and 25-kg (55-lb), multi-wall, paper sacks.

Store in a dry area and minimize dust. Slip hazard when wet.

This information is supplied solely for informational purposes and M-I LLC makes no guarantees or warranties, either expressed or implied, with respect to the accuracy and use of this data. All product warranties and guarantees shall be governed by the Standard Terms of Sale.



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