

IMVITE 1016



PRODUCT BULLETIN

DESCRIPTION

IMVITE 1016 is a gelling clay obtained from saponite clay, a magnesium bentonite. Along with its ability to form an effective gel, IMVITE 1016 has a high yield point, a low plastic viscosity, and high temperature stability that are unique characteristics of particular value in many drilling mud industry applications. A slurry made with IMVITE 1016 also effectively stabilizes holes or trenches drilled or dug in sandy soils in high water tables. These conditions may be encountered in foundation drilling, core sample drilling, curtain walls and other civil engineering applications.

TYPICAL RHEOLOGICAL PROPERTIES¹ (Fresh Water)

| | |
|--|-----|
| Yield, (bbls/ton) | 95 |
| Viscosity, Fann @ 6% solids 600 RPM, 30 min. overnight | |
| Plastic Viscosity, (cps) | 3-4 |
| Yield Point, (lbs./100 ft) ² | 29 |
| Water Loss, (cc) | 19 |

¹ For test procedure in API 13A and 13B..

² Fann Viscometer dial reading at 600 RPM.

TYPICAL CHEMICAL PROPERTIES

| | <u>%</u> |
|--|----------|
| Silicon (SiO ₂) | 44.6 |
| Aluminum (Al ₂ O ₃) | 7.8 |
| Magnesium (MgO) | 22.8 |
| Iron (Fe ₂ O ₃) | 2.5 |
| Calcium (CaO) | 4.5 |
| Potassium (K ₂ O) | 1.3 |
| Sodium (Na ₂ O) | 2.5 |
| L.O.I. (1000°C) | 14.0 |

Metals listed are complexed in the mineral structure and do not exist as free oxides.

TYPICAL PHYSICAL PROPERTIES

| | |
|--------------------------------------|----------------------|
| Particle Size | Finely-Ground Powder |
| Moisture as Shipped | 10% max |
| Residue (+200 Mesh Wet Screen) | 4% |
| Bulk Density | 60 lbs./cu. ft. |

The above properties are typical and not intended to be product specifications.

PACKAGING

Available in 50 lb. (3-ply natural bags), Shipped on 42x42 non-returnable pallets. Also available in bulk bags and bulk.

Note: The suggestions contained in this Product Bulletin are based on data which are believed to be reliable. They are offered in good faith, to be applied according to the user's own best judgement. Since operating conditions in the processor's plant are beyond our control, IMV Nevada cannot assume responsibility for any risks or liabilities which may result from the use of its products. Likewise, no patent liability is assumed to any method, manner of use, or any formulas utilized by a consumer.

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