

IMVITE 1016

Technical Data

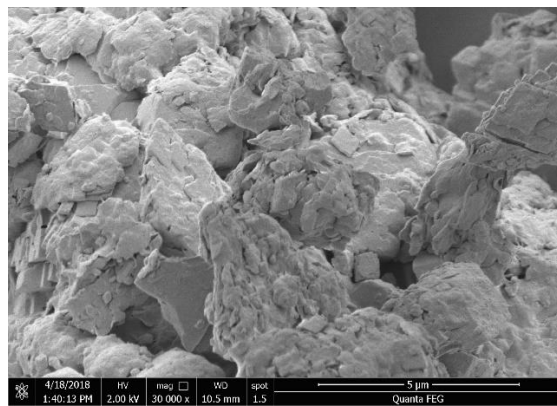
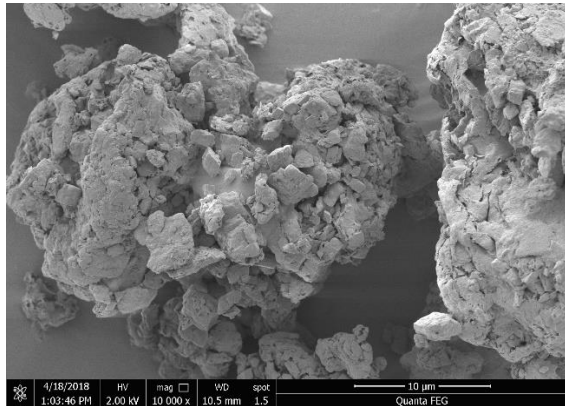
DESCRIPTION

Imvite 1016 is a gelling clay made up of saponite, a magnesium smectite clay mineral. 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.

It is beneficial in cementitious mixes as a rheological modifier to increase workability, improve flow characteristics, and prevent water bleeding.

Saponite is a hydrous magnesium aluminosilicate clay mineral with the chemical formula:
 $Ca_{0.25}(Mg,Fe)_3((Si,Al)_4O_{10})(OH)_2 \cdot n(H_2O)$



TYPICAL PHYSICAL PROPERTIES

Fresh Water Yield, (bbls/ton)*.....	95
Viscosity*.....	20
Particle Size	93% - 200 mesh
Moisture	7%
Bulk Density	60 lbs./cu. ft.

*Per test procedures in API 13A and 13B. Fresh water viscosity using Fann viscometer at 600 rpm.
 The above properties are typical and not intended to be product specifications

PACKAGING

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

Lhoist – Amargosa Clay Operation
 498 E. Invite Road
 P.O. Box 86
 Amargosa Valley, NV 89020
 Phone: 775-372-5341

<http://www.lhoist.com> <http://www.imvnevada.com>

Typical data presented in this document are for informational purposes only. They are based upon statistical analysis of historical data. Lhoist North America's products are derived from naturally occurring minerals which are subject to compositional changes over time. Subsequently, typical data cannot be used to establish minimum or maximum specifications.