# Jaxon Filtration Introduces

## *Earth SorB* tm

**A Lightweight, Porous, Non Swelling Clay Media with a Complex chemical formulation of Magnesium and Alumina Silica forming spear like structures. AKA Sepiolite and Palygorskite is excellent filtration and clarification properties for Petroleum based fluids**

**THE MINERALS ARE ASSOCIATED WITH MAGNESITE (MAGNESIUM CARBONATE), THE PRIMITIVE SOURCE OF BOTH MINERALS BEING A SERPENTINE.**

Sepiolite is a non-swelling, lightweight, porous clay. Unlike other clays, the individual particles of Sepiolite have a needle-like shape. The high surface area as expressed in M2/gm. and porosity, as well as the unusual particle shape of this clay accounts for outstanding colloidal properties and reinforcing characteristics. This valuable material is applied in a wide range of industrial applications.
Chemically, Sepiolite is a hydrated magnesium silicate. Its structure can be described as chain-like, producing needlelike particles instead of plate-like particles of other common clays. There is little negative charge on the crystal lattice resulting in low cation exchange capacity.
The Alumina and Magnesium structures form octahedral oxygen and hydroxyl groups containing Al and Mg ions in a chainlike inverted structure. These inverted tetrahedral occur regularly and cause channels through the structure. Giving the clay a high surface area unlike many commonly used materials

Earth ***SorB*** can be used with the products listed below, but not limited to:

Jet Fuel
Petroleum
Diesel Fuel
Fuel Oil
Kerosene
Hydraulic Fluids
Insulating Oils
Quenching Oil
Lubricating Oil
Vacuum Pump Fluids
Liquid Natural Gas
Liquid Petroleum Gas

**Earth *SorB* is hydrous magnesium silicate of the same family of Cays such as Fullers Earth and Montmorilite. It differs from these in that it has no substitutes in its Lattice structure.**

Earth ***SorB*** retains the three-layer structure of the other two clays, the crystals are much more highly ordered and contain very few of the crystal imperfections which give rise to cation exchange capacity. In order to keep the nearly perfect balance of positive and negative Ionic changes. The Crystals are limited in their growth with, But are unlimited in their length. This nearly perfect crystal structure contributes to it high thermal Stability

EARTH SorB

6428 Hwy 219
P.O.Box 805
Franklin Ga, 30217
706-675-3996