

WELL BORE FOAMER



ZenEarth Well Bore Foamer is a unique blend of domestically sourced and renewable, plant based materials including palm and coconut oils. The ingredients help to create a high foam colloidal surfactant designed to aid in the lifting of cuttings and other debris up the well bore in both salt and fresh water based drilling systems.

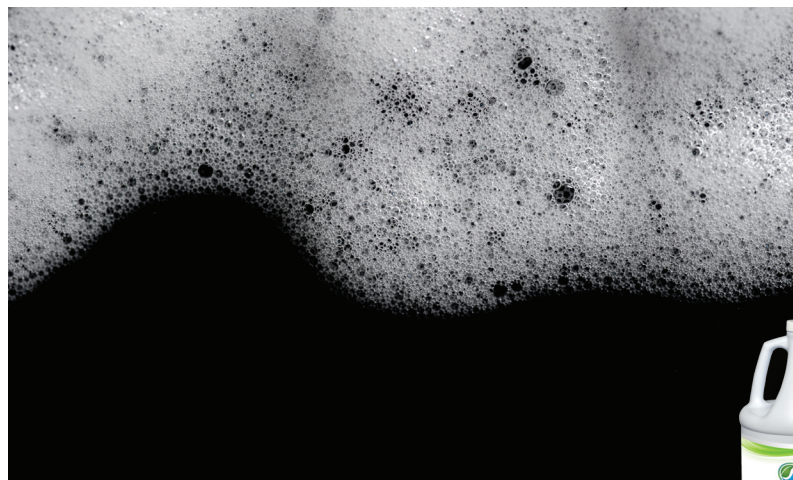
It is a readily biodegradable, non-toxic and non-flammable foaming agent that aids in the removal of all well drilling cuttings and debris. The unique blend of non-ionic surfactants easily increases viscosity of fluids which aids in emulsifying and carrying hydrocarbon, drilling lubricants and other debris up with returning cuttings. It is non-reactive with other chemistries including all water based drilling fluids.

Well Bore Foamer increases the detergency and lubricity of water based drilling systems as well as emulsifying oil in water based muds.

The unique blend of non-ionic, surfactant ingredients minimize bit balling and galling while also reducing torque and drag. The surfactant acts as a carrier by transporting the lubricant into interactions with hard to reach portions of the cutting surface. The surfactant pack also reduces friction and increases durability of drilling fluids thus enabling this product to be used in multiple strata under greatly varying conditions.

Additional Benefits:

- An enviable 0-0-0-0 hazard rating enabling reduced work safe liabilities and insurance premiums.
- No PPE (Personal Protection Equipment) required for use with Well Bore Foamer
- This product is a "Non-Hazardous Chemical" as defined by OSHA Hazard Communication Standard 29.
- Pleasant but faint citrus aroma.
- Performs equally well in fresh or salt water.
- It is safe to wash into waste systems.



The active ingredients behind all "green" ZenEarth cleaning, solvent and lubricating products are combinations of various readily biodegradable plants and naturally occurring minerals. ZenEarth's proprietary, renewable, chemical/mechanical process creates a truly unique product that is safe for human use and for the environment. It is effective and versatile.

All ZenEarth active ingredient formulas are effective as a result of the creation of electrically charged particles known as micelle. When activated in water, micelles repel each other in a ceaseless random movement. Measuring only 2 – 4 nanometers in size, their extreme surface-area-to-volume ratio enables far greater efficacy than conventional technologies or formulas. Micelles do not produce a chemical reaction that generates new compounds when introduced into another material or the environment, instead they break down carbon based compounds into smaller particles that can be easily assimilated and metabolized by normal soil or water microorganisms.

ZEN EARTH PRODUCTS ARE:

Bio - Based

Readily Biodegradable

Non - Toxic

Non - Corrosive

Non - Hazardous

Non - Caustic

Non - Flammable

Non - Cancer Causing

DOES NOT CONTAIN:

Ozone Depleting Substances

Petroleum Distillates

Glycol Ethers

Caustics

California Proposition 65 Chemicals

