

# Invert Cuttings Remediation Fluid

Zen Earth Invert Cuttings Remediation Fluid is an extremely effective cleaner that remediates all forms of invert cuttings. It is ideal for use at any drilling locations where cuttings must be secured and disposed of as hazardous goods, or can be used at a central facility using Zen Earth's proprietary equipment and processes. The resulting remediated tailings can be safely applied as roadway fill, for inclusion in concrete products, or safely spread over land surfaces.

Zen Earth Invert Cuttings Remediation Fluid has the unique ability to remove hydrocarbon from the mud by accelerating the breakdown of hydrocarbons, through the power of micelle technology. Biodegradable and made with domestically sourced renewable plant based materials, the Zen Earth recipe includes a combination of surfactants and solvents which break long chain molecules, making rapid separation and hydrocarbon recovery easy to enact.

The benefits of using this unique blend of biobased ingredients in your invert cuttings remediation program include:

- Concentrated product/water dilution rate of 1:50 to 250, depending on determined remediation conditions
- Reduces costly work safe procedures, liabilities and insurance premiums, as it is completely safe for humans
- Formulated from a variety of readily available plants and minerals.
- Fully biodegradable, and will not contaminate or pollute the environment
- Non-flammable
- Non-hazardous chemical, and there are no special handling procedures required
- Safe to wash into drains and waste systems



The active ingredients behind all "green" Zen Earth cleaning, solvent and lubricating products are combinations of various readily biodegradable plants and naturally occurring minerals. Zen Earth'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 Zen Earth 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

## DO NOT CONTAIN:

Ozone Depleting  
Substances  
Petroleum Distillates  
Glycol Ethers  
Caustics  
California Proposition  
65 Chemicals

