

# STORAGE TANK CLEANER

Crude oil, gas and chemical storage tanks, vessels, towers and other processing equipment are in constant need of cleaning, but recovering valuable hydrocarbons, reduced down time with minimal loss of revenue and monitoring work safe processes all vie for equal attention to this essential service.

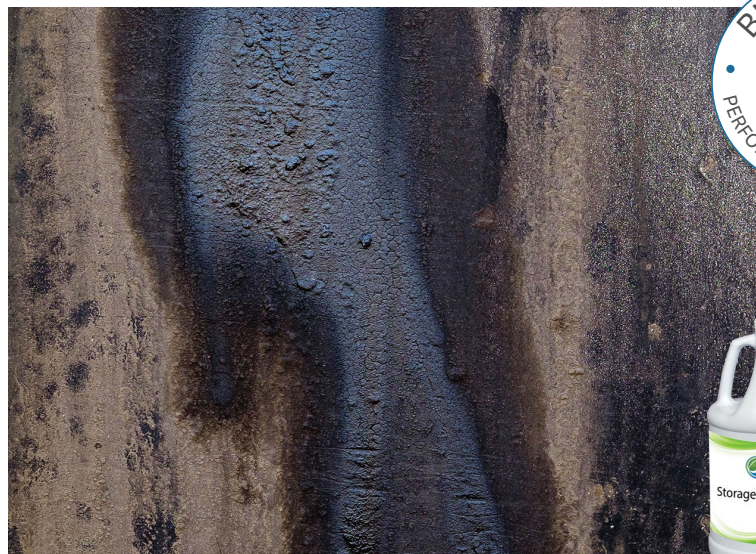
ZenEarth's storage tank cleaners are the first step in cleaning.

- Improve turnaround time by up to 50% over commonly available chemical and mechanical processes and improve your revenue stream.
- Hydrocarbons are easily separated from ZenEarth's biobased green chemical system and recycled to the transportation network or refinery.
- Green Storage Tank Cleaners will neutralize odours in the tank and because of their plant based formulas, they are safe to use with no special work safe procedures needed.

ZenEarth's storage tank cleaners are designed to breakdown and remove all hydrocarbons, paraffin and waxes. Sidewalls and floors will wash clean and free of all hydrocarbon contaminants and leave behind a fresh smelling tank with a near invisible polymer residue that aids in preventing re-adherence of contaminants to the tank. Cleaning with this product becomes easier with each use.

Other benefits include:

- Storage tank cleaner is fully biodegradable with no special clean up requirements in case of a spill.
- Used cleaner can be repeatedly recycled for the most cost effective solution on the market. Simply collect the run off, separate the hydrocarbons and re-use the cleaner.
- Solubilizes paraffin, asphaltenes and waxes and effectively neutralizes aromatics such as benzene.
- Minimal heat or mechanical agitation is required.
- Will not harm or accelerate the deterioration of various already in the network.
- Work safe procedures are at a minimum with no special handling procedures required.



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**

## DO NOT CONTAIN:

**Ozone Depleting Substances**

**Petroleum Distillates**

**Glycol Ethers**

**Caustics**

**California Proposition 65 Chemicals**