

# PEST CONTROL



The common characteristics of most pesticides are that they target the collection of glands that produce hormones that regulate metabolism, growth and development, tissue function, and reproduction among other things. These same characteristics make it a danger to the user and to the environment. With repeated use, these petrochemical pesticides can lose their effectiveness as pests and their offspring build up a resistance to the chemical. As a result, ever more lethal chemicals must be used to counter the resistance.

The readily biodegradable ingredients in ZenEarth's Pest Control solution act as suffocants and destroy the pest's tracheal system which in turn suffocates the pest. This unique method relieves concerns that pests will build up a resistance while also providing on-going and long lasting effectiveness.

Other active ingredients include essential oils that act as chitin (insect outer shell) dissolver, repellants, and paralyzing agents. ZenEarth Pest control is effective against:

- Mites,
- White & black flies,
- Mosquitos,
- Aphids,
- Termites,
- Fire ants and,
- A variety of other common house and garden type pests.

ZenEarth's Pest Control is made with domestically grown and renewable plant based materials including thyme, peppermint, citric acid, clove, rosemary and garlic oils as well as a variety of other naturally occurring ingredients. It is safe to use around children and pets and its bio-based ingredients make it safe for the environment too.

Pest Control is being used by professionals in a diverse range of industries including:

- Golf courses,
- Institutional,
- Recreation areas and playgrounds,
- Ponds and other water bodies.

ZenEarth Pest Control counters the need for conventional, caustic and environmentally hazardous chemicals typically being used. Additional benefits:

- The natural ingredients mean it is fully biodegradable, and will not contaminate or pollute the environment.
- Can be used in the vicinity of humans without danger to their health.
- There are no special requirements or procedures for use.
- It is safe for the user. Many of the standard work-safe procedures are a thing of the past as there are no VOC's, it is non-toxic to humans or pets, nonhazardous, non-flammable and non-cancer forming.



## 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**

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.