

Eco-Proven Cleaner

Hyper Activated Water Concentrate

Technical Product Description : Eco-Proven Concentrate

What is EcoProven?

Eco-Proven is a proprietary blend of plant based ingredients. Eco-Proven uses nanotechnology to create ionic and anion compounds that turn nature's most prolific and environmentally friendly solvent – water – into a degreaser, deodorizer and superb cleaner. The cleaning agent has no hard chemicals. It is 99.9% biodegradable. Simply put; detergents are often made from petroleum products and soap is made using lye. Eco-Proven is often referred to as a cleaner but because it is not a soap or a detergent, its uses are not limited to just cleaning.

How it works

When Eco-Proven is added to water (the concentrate will NOT work without water) the resulting colloid solution converts oils and greases to fats and fatty acids; including breaking down sulphur based odors. The colloidal micelles will continue to work by breaking down the hydrocarbons into fatty acids and exposing them to the resident bacteria. This product encapsulates and will also suppress VOCs as it cleans. Due to its unique formulation, Eco-Proven works in hot or cold, fresh or salt water. It can be mixed with alkalis, salts of various types and certain types of additives and many cleaning jobs which formerly required a special compound can now be accomplished with a single product.

What are Colloids?

A Colloid in a liquid solution measure 0.000,000,01 centimeters (nano) and cannot be seen by the most powerful microscope. However they

reflect light rays that can be detected by complex electron microscopes. Eco-Proven is a homogenous blend of colloids, sterilants, bacteriostatics, sequesterants, surfactants, chelates and hyper-wetting agents that is created through a unique process of formulation and concentration. The final result is hyper-active water.

How Colloids Work

Solid soil particles are attracted to colloids, by what might be described as a magnetic force field. When the attraction of the colloids becomes greater than the force holding the solid particles together, or to a surface, they are dispersed into individual particles that do not have the ability to re-deposit.

This means when colloids penetrate into dirt, greases, oils and other soils, they break it up into billions of individual particles that constantly repel each other, making it impossible to recombine or redeposit on a surface. This colloidal hyper action keeps on working as long as there is even a microscopic amount of water present. The power of colloids in cleaning compounds is amazing. They allow for an extremely wide range of jobs that can be done effectively, without the undesirable side effects of other cleaners. Water molecules are attracted to colloids much like a magnetic field. When the attraction of the colloids becomes greater than the force holding the water molecules together, they disperse into individual particles.

The power of the colloid is amazing in that it works without the undesirable side-effects often associated with petrochemical dispersants.

Example

An excellent example of a colloidal action is in fog. To the casual observer, fog is nothing more than a cold wet nuisance. However, to the trained observer, fog is billions of tiny droplets of water so close together that they obstruct vision. They are always rolling in constant movement, but they never collide and fall out like raindrops. This is one of the few places that the movement of colloids can be observed. The tiny droplets of water that make fog are attached to colloids.