



HAZARD CONTROL TECHNOLOGIES, INC.

FIRE, VAPOR, AND CONTAMINATION CONTROL SOLUTIONS

F-500 EA Portable Cart Systems

F-500 EA Portable Carts are excellent for first responders when a fire extinguisher just won't do the job. Available in 26 or 40-gallon models, these units carry F-500 Encapsulator Agent and attach to a 1½-inch fire hose. They are the perfect way to get the benefits of F-500 EA from an existing standpipe. A low-pressure eductor draws the F-500 EA into the hose at variable settings from 0.4 to 6% (F-500 EA is typically recommended at 1% for Class A fires and 3% for Class B fires).

F-500 EA Portable Carts are designed for incipient fires only, but can provide enough solution to fight a Class A fire for over an hour and a Class B fire for up to 21 minutes. That's a lot of delivery time for a portable unit. With F-500 Encapsulator Agent's ability to encapsulate hydrocarbons, resist burn back, cool fuel and surrounding structures and fight three-dimensional fires, most fires are extinguished in minutes. If the F-500 EA Portable Cart can't extinguish the fire, it will certainly control it until firefighters arrive.

Another potential use for F-500 EA Portable Carts is mitigating accidental hydrocarbon spills. The F-500 EA solution encapsulates hydrocarbons, quickly rendering them nonflammable and nonignitable, providing permanent burn back resistance. In most cases, on a hard surface, the neutralized, encapsulated fuel can be left to evaporate. With a hydrocarbon spill on soil, the F-500 EA solution penetrates into the soil, encapsulating the hydrocarbon molecules, making them more readily available and enhancing the natural bioremediation process.*

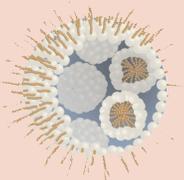
The polyethylene reservoir is supported by an epoxy-coated metal frame and includes a storage area for accessories. The portable carts come complete with a low-pressure eductor, industrial firefighting and washdown nozzle and 50 feet of double-jacketed industrial hose. When not in use, a threaded aluminum cap protects the F-500 EA from contamination. In cases where the F-500 Portable Cart is permanently deployed, a specially designed cap allows the eductor to remain in the F-500 EA reservoir without fear of debris contaminating the F-500 EA.

* Hazard Control Technologies, Inc. advocates proper disposal of hydrocarbons. Consult your local or state regulatory agency for proper guidelines.



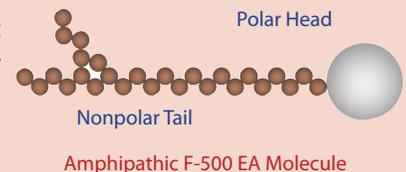
How Does F-500 Encapsulator Agent Work?

F-500 EA is an Encapsulator Agent. The F-500 EA molecule is a large amphipathic molecule, meaning its ends act independently. One end is a hydrophylic polar head which is attracted to water and the other end is a hydrophobic nonpolar tail, that is repelled by water and seeks carbon or hydrocarbon molecules. When you mix F-500 EA with water, the F-500 EA polar heads form spheres.



F-500 EA Surrounds Water Droplet

As droplets form coming out of the nozzle, the nonpolar tails stick outward, forming a protective skin. The F-500 EA molecules prevent the water droplets from instantly evaporating as steam and allow them to efficiently absorb the heat energy into the droplets. The nonpolar tails protrude from the droplets and attach to carbons and hydrocarbon liquids and vapors, completely enveloping them and forming "micelles" or cocoons. The protective shells around the hydrocarbons render the hydrocarbons nonflammable and nonignitable.





F-500 EA Portable Carts - First on the Scene

- Compact and Lightweight
- Rapid Knockdown of Class A and B Fires
- Perfect for hydrocarbon spill mitigation
- Permanent Burnback Resistance Prevents Reignition
- Unequaled Heat Reduction of Fuel and Surrounding Structures
- Interruption of Free Radicals Rapidly Reduces Smoke and Toxins
- Durable Design with High-Impact Reservoir

Portable Carts		
	26 gallon	40 gallon
Features		
Eductor Metering	Variable 0-6%	Variable 0-6%
Firefighting Duration (60 gpm nozzle-included)		
Class A at 0.25 - 1% F-500 (approx.)	43 mins. at 1%	66 mins.
Class B at 3% F-500 (approx.)	14 mins.	21 mins.
Spill Mitigation Capacity		
Class B hydrocarbon - Spill size	208 gals. / 2080 sq. ft.	320 gals. / 3200 sq. ft.
Specifications		
Capacity	26 gallons / 100 liters	40 gallons / 150 liters
Weight	129 lbs. / 58.5 kgs	135 lbs. / 61 kgs
Weight with F-500 EA Solution	346 lbs. / 160 kgs	469 lbs. / 213 kgs
Height	42" / 1,067 mm	42" / 1,067 mm
Length	30.5" / 775 mm	32" / 813 mm
Width	23.5" / 597 mm	26" / 660 mm

Additional Mobile Firefighting Systems from Hazard Control Technologies



The F-500 Fire Extinguisher can be rapidly deployed for small fires.



F-500 Handy Packs carry 2½ or 5 gallons of F-500 EA and connect to a 1 or 1½" water source.



F-500 Quick Attack Mobile Unit carries 33 gallons of F-500 EA and water.



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