

Cost Analysis: ColdFire® vs. AFFF

We conducted a propane pit burn at the Salt Lake City airport in conjunction with the Salt Lake City Fire Department. Below are the results of the testing conducted in identical fire conditions.

Variables:

- ✚ Cost of product, by the gallon, as sold in (5) five gallon containers:
ColdFire® : \$30 per gallon AFFF: \$12 per gallon
- ✚ Dilution mix of product to suppress fire:
ColdFire® : (1%) one percent AFFF: (3%) three percent

Results:

- ✚ Amount of time required to extinguish fire:
ColdFire® : > 33 seconds AFFF < 3 minutes
- ✚ Amount of product used to suppress fire:
ColdFire® : (.5) one half gallon AFFF: (6) six gallons
- ✚ **Product cost results: *ColdFire®* \$15.00 *AFFF* \$72.00**

Product Comparison:

- ✚ Flushing of tank and lines: *ColdFire®* Not Necessary AFFF: Mandatory
- ✚ Shelf life of product: *ColdFire®* Indefinite AFFF: Expiration Date
- ✚ Clean-up of product: *ColdFire®* All-Natural & Biodegradable AFFF: is Toxic
- ✚ Re-ignition of fires: *ColdFire®* Will not Re-ignite AFFF: Re-ignition Possible
- ✚ Product is Biodegradable, Non-slip, Non-toxic, Non-corrosive: ONLY *ColdFire®*

Summary:

In an identical burn, *ColdFire®* used approximately ½ gallon of product at a dilution rate of 1% to completely suppress the propane fire in 33 seconds. AFFF used approximately 6 gallons of product at a dilution rate of 3% and took more than 3 minutes to suppress the fire.

