

# Polar EcoFoam

CLASS A



# Firelce®

WILDLAND FIRE



Firelce® Polar EcoFoam is designed for a broad range of WUI, Wildland and Class A Fire applications, including where cold-water mixing of Class A foam is required.

Biodegradable and non-hazardous, Firelce® Polar EcoFoam is free of fluorinated surfactants.

## PERFORMANCE

In **low percentage** applications (0.1-0.3%), Polar EcoFoam acts like “wet water,” breaking the surface tension without excessive foaming, extending the water’s ability to wet, penetrate and absorb heat. On hard-to-wet fuels like peat, duff and vertical surfaces, Polar EcoFoam’s adhesion prevents the shedding of water and soaks fuels at a controlled rate.

For **higher expansion** applications (0.3-1.0%) like aerial delivery or CAFS, Firelce® Polar EcoFoam enhances wetting and creates a more durable barrier than plain water. Additionally, Polar EcoFoam raises required fuel ignition temperature, modifies time to ignition, and amends tree stand/fuel complex microclimates by “wrapping” fuel sources in a protective envelope of expanded foam.

## APPROVALS

Qualified Products Listed (QPL) by US Forest Service in accordance to Forest Service Specification 5100-307a Tested by UL to the ASTM E1321 - Lateral Ignition & Flame Spread Apparatus Testing (LIFT TEST) Conforms to NFPA 18 and NFPA 1150

## PACKAGING

- Shelf life of up to 10 years
- Does not require special handling for transport
- Bulk delivery available upon request
- Please call for pricing & availability

Container:	Size:	Product ID:
Pail	5 Gallons / 19 Liters	FI-PEF-5P
Drum / Barrel	55 Gallons / 208 Liters	FI-PEF-55G
Tote	265 Gallons / 1,000 Liters	FI-PEF-265



Want More Info?

Call 800.924.4874 or visit [www.Firelce.com](http://www.Firelce.com)



**GELTECH®**  
SOLUTIONS

Rev. Date: 2019/03/06

# APPLICATIONS

## ENGINE SYSTEMS

- New synthetic surfactant requires max ratios less than 1%, saving concentrate and money
- Provides superior low expansion foam with standard forestry nozzles, straight-stream or fog
- Provides superior medium expansion with aspirating nozzles and high expansion CAFS foam up to 1000:1
- Stable in foam cells, holding tanks and transfer pumps, will not sludge or gel
- Compatible with all direct injection, bladder tank, in-line, around-the-pump and suction side proportioners as well as batch mixing
- Concentrate can be used in backpack pumps, pressurized water extinguishers, ATV and portable pump systems
- Provides excellent wet line visibility
- Smothers, penetrates and cools better than water alone on all class A fuels

## AIRCRAFT SYSTEMS

- Excellent choice when cold water mixing
- Compatible and approved for existing foam systems in FireBoss, CL-215/415, and other foam injection equipped aircraft
- Compatible with Helicopter applications including bucket with foam injection pump, internal bladder and timed interval poly fixed tank systems
- Compatible with AT-802 factory gate foam injection systems
- Compatible with all ground holding tanks and mobile concentrate transfer and loading systems
- Insulates fuels from flame, heat and oxygen better than water alone
- Provide excellent visibility and water retention over a longer period of time
- Provides less shadowing and increased wrapping of fuels
- Lessens canopy interception and allows better ladder and fine fuel wetting



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