



FS-03

FIRE SUPPRESSANT Concentrated Foam 5% (AR-AFFF) SFFF

MANUFACTURER: GREEN CANYON VENTURES
CLASSIFICATION: AR-AFFF
TOXICITY: SFFF

DESCRIPTION

FS-03 is an innovative product developed by Green Canyon Ventures in the United States of America. The product is designed to suppress fires caused by petroleum-derived products, chemicals, or similar substances.

For optimal performance, **FS-03** should be combined with our fire suppressant **FS-02**, which provides a powerful endothermic reaction by releasing massive amounts of cold nitrogen, dramatically lowering the temperature in the fire area.

The product is supplied as a concentrated liquid to be mixed with water prior to use.

COMPOSITION

FS-03 is a product resulting from the combination of various anionic and non-ionic surfactants, as well as humectants, all of which are authorized for human use, along with another minor component. This makes the product perfectly safe for handling and use. This combination provides a foam with high density, stability, and fire resistance.

PACKAGING

FS-03 is supplied to customers in the following formats:

- 1,000-liter palletizable IBC totes.
- 10 liter or 25-liter jug.



FS-03

PHYSIOCHEMICAL PROPERTIES

FS-03 is a product that presents a viscous liquid appearance with a yellowish and transparent color. Over time, it may become slightly cloudy, which does not affect its effectiveness. **FS-03** is soluble in water. As soon as agitation is applied, it begins to generate foam.

The product is estimated to have a shelf life of 2 years.

Viscosity (cP): 980
Density (g/cm³): 1.07
Sediments: 0.00
pH: 6.5 - 7
Thermal resistance: superior to 1,000 °C
Freezing point: 0 °C

The product is non-toxic and biodegradable.

FS-03 DOES NOT contain PFAS.

Safe for the Environment.



RECOMMENDED APPLICATIONS

FS-03 is a fire suppressant product designed for combating **Class B fires**. This includes petroleum-derived products, chemicals, and any flammable liquids.

MODE OF USE

FS-03 must be used in combination with the fire suppressant **FS-02**, also developed by Green Canyon Ventures. This combination delivers a unique extinguishing power unmatched in the market.

MODE OF USE:

Step 1: Apply FS-02 to the burning area and its surroundings, mixing it at 15% with water. This will cool the area through the massive release of nitrogen, allowing firefighting crews to approach the affected zone safely due to the drastic temperature reduction.

Step 2: Stop applying FS-02 to the burning area but continue applying it to the container holding the burning fuel to keep cooling the zone and prevent spread.

Step 3: Once FS-02 application to the burning area is stopped, wait 1 to 2 minutes, then begin applying a mixture of water with 15% FS-02 and 5% FS-03 to the burning area using a foam inductor. This will create a foam blanket that the fire cannot penetrate, leading to highly effective and rapid-fire smothering.

This combination of products enables firefighting teams to operate more effectively and safely, extinguishing the fire in significantly less time than with other products on the market.

SAFETY AND HEALTH INFORMATION

- Risks: Very low (mild irritation upon eye contact).
- Environment: Non-toxic and biodegradable.
- First Aid Measures: Rinse affected area thoroughly with plenty of water.
- **In case of emergency, call:**
 - USA: 911
 - Europe: 112
- Storage: Between 1°C and 50°C in sealed containers and away from direct sunlight.
- **Since FS-03 contains water, it conducts electricity. DO NOT USE ON ELECTRICAL FIRES.**

COMPATIBILITY

FS-03, being a product compatible with all types of materials, is suitable for applications in industries, airports, ports, refineries, construction, and more.

FS-03 is a **NON-CORROSIVE** product.

It is recommended to thoroughly clean all equipment with plenty of water after using **FS-03** and **FS-02**.



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