



FS-02

FIRE SUPPRESSANT

Structural and Industrial fires

MANUFACTURER: GREEN CANYON VENTURES

CLASSIFICATION:

OSHA 3844-02 201/026: Non-Toxic

EU 1272/2008: Non-Toxic

DESCRIPTION

FS-02 is an innovative product developed by Green Canyon Ventures in the United States of America. The product is designed to suppress fires that occur in any type of structure (houses, buildings, factories, etc.).

The product is optimal for use by any fire department, requiring no special equipment modifications for application. Upon contact with the heat of the fire, **FS-02** triggers an endothermic reaction, releasing massive cold in the form of nitrogen, dramatically lowering the temperature in the fire area and causing extinction.

FS-02 is also used in combination with **FS-03** foam agent for combating fires involving petroleum-derived products or any type of flammable liquid.

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

COMPOSITION

FS-02 is a product resulting from the combination of various nitrogen-based compositions and other minor elements.

PACKAGING

FS-02 is supplied to customers in the following formats:

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



FS-02

PHYSIOCHEMICAL PROPERTIES

FS-02 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-02** 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): 5-10

Density (g/cm³): 1.27

Sediments: very low

pH: 6.5 - 7

Thermal resistance: superior to 1,000 °C

Freezing point: 0 °C

The product is non-toxic and biodegradable.

FS-02 DOES NOT contain PFAS.

Safe for the Environment.



RECOMMENDED APPLICATIONS

FS-02 is a fire suppressant product designed for combating **Class A** and **Class B** fires (Class B in combination with **FS-03**).

MODE OF USE

FS-02 is used with the same equipment available to any fire department. No special implementation is required, other than mixing the product with water.

FS-02 enables firefighting teams to operate more effectively and safely, extinguishing the fire in significantly less time than with other products on the market.

MODE OF USE:

Apply **FS-02** to the burning area, mixing it at 10% with water. This will cool the area through the massive release of nitrogen, allowing firefighting crews to approach the fire source safely and quickly due to the drastic temperature reduction in the affected zone.

The nitrogen released upon application of **FS-02** will protect firefighters from the fire's radiant heat, enabling much faster fire extinguishment.

To apply **FS-02** correctly, open the hose nozzle slightly to create a wider pattern for thorough wetting of the entire affected area.

FS-02 can be mixed with fresh water or seawater.

For combating Class B fires, see the explanation in the FS-03 Technical Data Sheet.

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-02 contains water, it conducts electricity. DO NOT USE ON ELECTRICAL FIRES.**

COMPATIBILITY

FS-02, being a product compatible with all types of materials, is suitable for applications in any type of structure or building: buildings, homes, industries, airports, ports, offices, construction, and more.

FS-02 is a **NON-CORROSIVE** product.

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

