

FireAde®



Green Agent Technology™

FireAde is the most complete and user friendly firefighting agent produced in the world. Numerous firefighting agents claim to be Class A and B compliant; however they comply with NFPA 18/2017 wetting agent classification only. This classification is recognized within the fire service solely as a Class A agent. FireAde® complies with NFPA 18/2017 wetting agent and UL 162 foam liquid concentrate. This awards FireAde® a "TRUE" Class A and B classification approval. FireAde® eliminates all of the long-established issues of Class B foams; it will not clog, gum, or corrode foam systems and equipment. FireAde® offers the simplicity of using one product to extinguish multiple classifications of fire. This allows fire departments and fire brigades to increase their stocking supply by using just one product, FireAde®.

FireAde® contains vapor-sealing and rapid cooling properties that reduce risk of exposure to carcinogenic particulates. By reducing the time on scene with rapid extinguishment of fires and lowering dangerous temperatures, FireAde seeks to reduce the factors that lead to cancer in firefighters.

- ▶ **Environmentally Formulated**
- ▶ **Organic Compounds**
- ▶ **Zero Hazardous Chemicals**
- ▶ **Encompasses Water Based and Food Grade Ingredients**
- ▶ **Contains no ingredients reportable under the Superfund amendments and Reauthorization Act (SARA) Title III, Section 313 of 40 CFR-372 or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).**

Background image has no chemical representation of FireAde® products.



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Certifications

UL/UL Canada/ 162 Listed Foam Liquid Concentrate 14CY, NFPA 11 and 16, for non-miscible, non-polar solvents or hydrocarbon fuels.

UL/UL Canada/ Wetting Agent Classified in accordance with ANSI/NFPA 18-2017 for physical properties and fire extinguishment 93V0.

Compatibility:

FireAde® is compatible with other brands of foam as finished foam.

FireAde® is compatible with other FireAde products as concentrates.

Flushing Instructions:

It is recommended to flush all foam tanks if possible. If not, use as much of previous Class A foam, then add FireAde® concentrate. Mixing with most Class A foams will not cause harm to systems. Flushing is mandatory for all Class B foam tanks before adding FireAde® concentrates. Once FireAde® concentrates are added, flow product to ensure foam tank is operating.

Shelf Life:

FireAde® has an unlimited shelf-life.

Applications:

US/European Class A Fires

Class A fires are the most common type of fire occurring 97% of the time. This occurs when an organic solid material becomes sufficiently hot and has oxygen available, causing combustion.

Wood, Grass, Coal, Tires, Hay, Cotton, Cardboard, Initial Knockdown:

0.10% up to 0.50%

Cars, Trucks, Heavy Equipment:

0.50% up to 1.0%

Note: Set Class A foam system defaults at 0.25% or maximum 0.50%. FireAde® will operate in CAF systems but may require adjustments to maximize foaming at low percentages.

Reminder: FireAde® works better with minimal or no foam, compared to traditional Class A foam with heavy or thick foam in all aspects.

US Class B, European Class B/C Fires

Class B fires involve flammable or combustible liquids or gaseous fuels. European/Australasian system Class B fires involve flammable liquids and Class C burning gases.

Non-Polar Solvents:

Gasoline, Gasoline w/10% Ethanol, Jet A, JP4/5/8, Crude Oil, Diesel, Etc.

Wetting Agent: 0.50%-1.0%. Reapply as needed.

Liquid Foam Concentrate:

3% using 0.10gpm/ft² for 10-20 minutes. Reapply as needed.

Polar Solvents:

Ethanol, Gasoline w/85% Ethanol, MEK, MTBE, IPA, Etc.

Liquid Foam Concentrate:

6% using 0.26gpm/ft² for 20-30 minutes. Reapply as needed.

Note: FireAde® is not an Alcohol Resistant (AR) or Alcohol Type Concentrate (ATC) UL 162 Listed product. However, in real time firefighting, FireAde® will work on most polar solvent fires if applied at recommended rates.

US Class C, European Class E Fires:

Class C/E fires involve potentially energized electrical equipment.

Caution: Only apply if proper training and equipment is being used. Contact Fire Service Plus for technical support.

US/European Class D Fires:

Class D fires involve combustible metals such as sodium, titanium, magnesium, potassium, lithium, calcium and others. Magnesium and titanium fires are most common.

Recommended application is 3% or 6% using proper equipment.

Caution: Only apply if proper training and equipment is being used. Improper application can cause serious injury. Contact Fire Service Plus for technical support.

US Class K/European Class F Fires:

Class K/F fires involve cooking oils or fats.

Recommended application is 3% or 6% using proper equipment.

Caution: Only apply if proper training and equipment is being used. Improper application can cause serious injury. Contact Fire Service Plus for technical support.