

## FOAM CONCENTRATE

Model AG-AFFF 1%

Foam concentrate AFFF 1%

**EN 1568**  
Parts 3



### PRODUCT DESCRIPTION

AG-AFFF 1% is specifically designed to fight effectively all type of Class B fires (Hydrocarbon) being also very adequate to fight Class A fires.

Its extraordinary AFFF properties give this product an effective and rapid knockdown of the fire when fighting non miscible flammable liquids. This product is specially designed to fulfill and exceed aviation requirements.

AG-AFFF 1% uses very specific fluorinated and hydrocarbon surfactants in order to allow a good formation of an aqueous film on the surface of most hydrocarbon fuels, suppressing vapour leaks and preventing its contact with the oxygen and providing an excellent sealing on hot surfaces. Its formulation allows a great oil repellence, fluidity and burnback resistance.

AG-AFFF 1% is a perfect tool to fight fires on storage tanks, bund, process areas, loading racks, power stations, airports or marine terminals amongst others.

AG-AFFF 1% is designed to be used with low expansion foam equipment (nozzles, monitors, foam chambers, etc.), non-aspirating devices (water spray nozzles and standard sprinklers) and medium expansion foam branches. AG-AFFF 1% dilution rate is 1% to perform extraordinarily on fresh or sea water. It may be proportioned with standard equipment (in-line inductors, bladder tanks, balanced pressure systems, etc.) and special purpose ones for AFFF agents (e.g. Hydrofoam nozzles). Aquafilm is highly biodegradable and it is manufactured according to "C6 fluorocompounds" fulfilling the 2010/2015 EPA PFOA Stewardship Program.

### TECHNICAL DATA

<b>Model</b>	AG-AFFF 1%
<b>Use concentration</b>	1%
<b>Fire classes</b>	A & B
<b>Specific gravity (at 20°C)</b>	1,03 ± 0,03 g / ml
<b>PH (at 20°C)</b>	7,5
<b>Expansion ratio</b>	Low expansion: 8.5
<b>Viscosity (at 20°C)</b>	11 mPa/s
<b>25% Draining time</b>	3:00
<b>Storage temperature</b>	-10°C to +50°C (14°F to 122°F)
<b>Freezing point (solidification temperature)</b>	<-10°C (14°F)
<b>Performance</b>	Class IB for EN-1568-3:2008 Level B for OACI

## APPLICATIONS

This foam concentrate is a perfect tool to fight fires on:

- Storage tanks.
- Bund
- Process areas
- Loading racks
- Power stations
- Airports
- Onshore or offshore terminals

## FEATURES

This foam concentrate is:

- Suitable for use with non-aspirating equipment such as fog nozzles and water spray systems.
- Suitable for use with fresh water.
- Suitable for use with deluge or closed head foam water sprinkler systems.

## DISCHARGE DEVICES

This foam concentrate is suitable for use with the following discharge devices:

- Foam Chambers.
- Non air-aspirating sprinkler heads or spray nozzles.
- Standard water fog nozzles for handlines and monitors.
- Foam Makers for use with either Floating Roof Storage tanks or Dike/Bund protection systems.
- High back pressure foam makers for subsurface base injection system.

## PROPORTIONING

This foam concentrate is designed for use with the following types of proportioning equipment:

- Fixed or portable in-line inductors.
- In-line balanced pressure and pump pressure proportioning skid.
- Bladder tank proportioning systems.
- Handline, air-aspirating nozzles with fixed inductor pickup tube.
- Fire pump inductors.

## STORAGE AND MAINTENANCE

AG-AFFF 1% may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 20 years or more when stored at recommended temperatures and in original containers. It does not show significant sedimentation or precipitation in storage or after temperature cycling.

The concentrate must be stored at temperatures between -10°C and +50°C.

Synthetic foam concentrates should only be stored in stainless steel (Type 304L or 316), reinforced fiberglass polyester with a vinyl ester resin internal layer coating or plastic containers. Avoid permanent contact with carbon steel, iron, copper alloys, aluminium, etc. Do not mix with other foam concentrates without a previous verification of compatibility.

The physical properties and specifications of the foam concentrate should be tested after 5 years from the production date, and thereafter retested each year.

## ENVIRONMENTAL IMPACT

This foam concentrate is biodegradable.

## TOXICITY

This foam concentrate is low in toxicity to humans or animals and can be treated in sewage treatment plants.

## CAUTIONS

Foams should neither be used in contact with electrical equipment nor with chemical products that can react with water. It is recommended to avoid the contact of the foam concentrate with the skin. In case of eye splashes wash with plenty of water. In case of ingestion do not induce vomit, drink water and take medical advice.

## ORDERING INFORMATION

Specify:

Model	
Concentration	
Homologations	
Quantity	AG-AFFF 1% – JA 20 L Jerry can AG-AFFF 1% – JB 25 L Jerry can AG-AFFF 1% – D 200 L Drum AG-AFFF 1% – IBC 1000 L IBC

## AG FIRE SPRINKLER

AG Fire Sprinkler offers a wide selection of components. Then a list of products is presented by AG Fire Sprinkler, we can offer all these components, made with precision to protect people, anywhere, anytime.

- Sprinklers
  - Basic
  - Extended Coverage
  - Storage
  - Dry
  - Accessories
- System Valves
  - Wet
  - Dry
  - Preaction Equipment
  - Accessories
- Spray System Open Nozzles
  - High Velocity Nozzles
  - Medium Velocity Nozzles
  - Window Nozzles
  - Hydroshield Nozzles
  - Mushroom Type Nozzles
- Foam equipment
  - Bladder Tanks
  - Proportioners for Bladder Tanks
  - Foam Discharge Equipment
  - Foam Concentrates
- Alarm Check Valves for Water Spray and Foam
  - Clapper Deluge Valves
  - Diaphragm Deluge Valves
- Monitors
  - Manual Monitors
  - Remote Monitors
  - Monitor Towers
  - Monitors Trolleys
- Valves
  - Butterfly Valves
  - Gate Valves
  - Check Valves
  - Pressure Control Valves
  - Test and Drain
  - Hose, Hydrant and Fire Connection Valves
  - Fire Department Connections

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The equipment presented in this bulletin is to be installed in accordance with the latest published Standard of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable. This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.

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