

## FOAM CONCENTRATE ENVIRONMENTALLY FRIENDLY FOAM AG-ARC-FFFP 3x3%



### DESCRIPTION

AG-ARC-FFFP 3x3% is multi-purpose natural protein based foam for use on a wide range of both hydrocarbon and polar solvent fuel fires. Our product contains special hydrophilic polymers producing a thick layer if applied on chemicals. It generates a fast flowing foam resistant against burn back with high insulating protection to heat and chemical destruction, if applied on any kind of fuel. It is suitable with all types of known equipment and is also compatible dry chemical powders.

Incorporation of protein in the formulation produces a thick visible blanket which has exceptional burn back resistance.

### FEATURES

- Film Forming for last flame knock down and extinguishment.
- Stable and long lasting foam blanket for excellent burn back resistance and post-fire security.
- Detergent free for high resistance of fuel pick up.
- Foam blanket re-seals when ruptured by personnel or equipment.
- Readily bio degradable and virtually non-toxic. It is based on natural protein foaming agent and contains no harmful synthetic detergent.

### APPLICATIONS

**AG-ARC-FFFP 3x3% Foam Concentrate will provide** quality protection for a wide range of hazardous areas such as:

- Airport Crash Fire Rescue
- Aircraft Hanger Fire Protection Systems
- Military Equipment Bases
- Truck/Rail loading or unloading facilities
- Docks/Marine tankers
- Flammable liquid containment areas
- Mobile equipment

## DISCHARGE DEVICES

AG-ARC-FFFP 3x3% is suitable for use with the following discharge devices:

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads or spray nozzles
- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles.
- 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 (hydrocarbon type fuels only)

## PROPORTIONING

AG-ARC-FFFP 3x3% is designed for use with the following types of proportioning equipment:

- Fixed or portable in-line eductors
- In-line balanced pressure and pump pressure proportioning skid
- Bladder tank proportioning systems
- Handline, air-aspirating nozzles with fixed eductor pickup tube
- Around the pump proportioners

## PERFORMANCE

The fire performance of AG-ARC-FFFP 3x3% Foam Concentrate is measured against **EN 1568**.

## TYPICAL SPECIFICATION

<b>PRODUCT</b>	AG-ARC-FFFP 3x3%
<b>USE CONCENTRATION</b>	3%
<b>SPECIFIC GRAVITY</b>	1.08 ± 0.03 g/ml
<b>PH</b>	7.5 ± 0.5
<b>VISCOSITY @ 20°C</b>	1750 ± 500 cst
<b>SUSPENDED SEDIMENT (V/V)</b>	< 0.1 %
<b>FREEZING POINT</b>	-15°C
<b>POUR POINT</b>	-14°C
<b>STORAGE TEMPERATURE</b>	1.7°C to 50°C
<b>FOAM EXPANSION</b>	Low > 7
<b>FOAM DRAINAGE 25%</b>	8 minutes minimum

## STORAGE AND HANDLING

AG-ARC-FFFP 3x3% may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 10 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. Freezing and thawing have no effect on performance and the concentrate proportions satisfactorily in ordinary equipments at temperatures above 1.7°C.

Foam concentrates should only be stored in stainless steel type (Type 304 L or 316), reinforced fiberglass polyester with a vinyl ester resin internal layer coating or plastic containers.

## ENVIRONMENTAL IMPACT

AG-ARC-FFFP 3x3% is biodegradable, low in toxicity and can be treated in sewage treatment plants.

Ordering Information	
<b>AG-ARC-FFFP 3x3% - JA</b>	<b>20L Jerry can</b>
<b>AG-ARC-FFFP 3x3% - JB</b>	<b>25L Jerry can</b>
<b>AG-ARC-FFFP 3x3% - D</b>	<b>200L Drum</b>
<b>AG-ARC-FFFP 3x3% - IBC</b>	<b>1000L IBC</b>

## APPROVALS

Quality Management System approved to

- ISO 9000 : 2000
  - ISO 14000 : Environmental Management
- UNE-EN 1568
- Foam Quality Tests
  - Class B Fire Test
  - Foam Identification Tests
  - Tests of Shipping Containers

## 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
  - Standard Coverage
  - 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
  - Tanks
  - Proportioners
  - Foam Discharge Equipment
  - Foam Concentrates
- Deluge equipment for Water Spray and Foam
  - Clapper Deluge Valves
  - Diaphragm Deluge Valves
- Monitors
  - Manual Monitors
  - Remote Monitors
  - Monitor Nozzles
  - Towers and Trolleys
- Valves
  - Butterfly Valves
  - Gate Valves
  - Check Valves
  - Pressure Control Valves
  - Test and Drain
  - Hose, Hydrant and Fire Connection Valves
  - Fire Department Connections

---

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.

---