

FOAM CONCENTRATE

Model AG-ARC 1x3% F-HPL (Newtonian)
Low viscosity freeze alcohol resistant film
forming foam

EN 1568
Part 3 & 4



PRODUCT DESCRIPTION

AG-ARC 1x3% F-HPL (Newtonian) is a synthetic low viscosity freeze protected firefighting foam concentrate which can be used at the specified concentration to extinguish fires of non-polar and hydrocarbon hazards. This extinguishing agent is suitable for use with most types of proportioning and discharge equipment.

This foam concentrate provides excellent control and extinguishments of Class A (paper, wood, fibers, textile,...) and Class B (hydrocarbon fuels: gasoline, oil...) fires.

TECHNICAL DATA

Model	AG-ARC 1x3% F-HPL (Newtonian)
Use concentration	1% on hydrocarbons and 3% on polar solvents
Fire classes	A and B
Specific gravity (at 20°C)	1,04 ± 0,02 g / ml
PH (at 20°C)	6,0 – 9,5
Viscosity (at 20°C)	Newtonian
Storage temperature	-12 to +40°C (10,4 to 104°F)
Freezing point (solidification temperature)	-15°C (5°F)

APPLICATIONS

This foam concentrate will provide protection for a wide range of hazardous areas such as:

- Crash Fire Rescue.
- Defense Facilities.
- Storage tanks (non-polar solvent type fuels only).
- Truck/Rail loading or unloading facilities.
- Processing/Storage facilities.
- Docks/Marine tankers.
- Flammable liquid containment areas.

FEATURES

This foam concentrate is:

- Suitable for use with non-aspirating equipment such as fog nozzles and water spray systems.
- If inadvertently frozen, thawing will render product completely serviceable again.
- Suitable for use with either fresh or salt water.
- Suitable for use with deluge or closed head foam water sprinkler systems.
- Suitable for use with siliconized dry chemical extinguishing agents.
- Suitable for use with fiber glass, polyethylene or stainless steel. It is not compatible with galvanized pipe or fittings in an undiluted form.

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 (hydrocarbon type fuels only).

PROPORTIONING

This foam concentrate 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.
- Fire pump proportioners.

STORAGE AND MAINTENANCE

AG-ARC 1x3% F-HPL (Newtonian) 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 -12°C and +40°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.

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, more than 90% is expected to be biologically degradable within 28 days.

TOXICITY

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

ORDERING INFORMATION

Specify:

Model	
Concentration	
Homologations	
Quantity	AG-ARC 1x3% F-HPL (Newtonian) – JA 20 L Jerry can AG-ARC 1x3% F-HPL (Newtonian) – JB 25 L Jerry can AG-ARC 1x3% F-HPL (Newtonian) – D 200 L Drum AG-ARC 1x3% F-HPL (Newtonian) – IBC 1000 L IBC

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.