

FOAM CONCENTRATE ENVIRONMENTALLY FRIENDLY FOAM AG-FFFP 3%



DESCRIPTION

AG-FFFP 3% is a Film Forming Fluoro Protein Foam Concentrate containing hydrolysed protein and preservatives, together with a blend of fluorinated surfactants to achieve the maximum synergistic effect. The blend of fluorochemicals selected is effective in reducing the surface tension of water as well as the interfacial tension between water and oil sufficiently low to give stable film on the surface of the fuel and as result produce fire extinguishing rates superior to those obtained with synthetic based compounds.

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

AG-FFFP 3% Foam Concentrate should be used as a proportioned solution in fresh or sea water, it may be also used and store as 3% pre-mix in fresh/portable water.

FEATURES

- UL LISTED
- Suitable for use with either fresh or salt water
- Suitable for use with either air-aspirating foam or standard water fog nozzles
- Suitable for use in fixed foam protection systems, including sub-surface injection systems
- Suitable for use with plastic, fiberglass or stainless steel containers
- Suitable for use with all siliconized dry chemical extinguishing agents

APPLICATIONS

AG-FFFP 3% 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-FFFP 3% 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-FFFP 3% 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-FFFP 3% Foam Concentrate is measured against **UL 162**.

TYPICAL SPECIFICATION

PRODUCT	AG-FFFP 3%
USE CONCENTRATION	3%
SPECIFIC GRAVITY	1.08 ± 0.03 g/ml
PH	7.5 ± 0.5
VISCOSITY @ 20°C	< 20 cst
SUSPENDED SEDIMENT (V/V)	< 0.1 %
FREEZING POINT	-8°C
POUR POINT	-7°C
STORAGE TEMPERATURE	-7°C to 49°C
FOAM EXPANSION	Low > 8
FOAM DRAINAGE 25%	3 minutes minimum

STORAGE AND HANDLING

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

Ordering Information	
AG-FFFP 3% - JA	20L Jerry can
AG-FFFP 3% - JB	25L Jerry can
AG-FFFP 3% - D	200L Drum
AG-FFFP 3% - IBC	1000L IBC

APPROVALS

Quality Management System approved to

- ISO 9000 : 2000
- ISO 14000 : Environmental Management

UL (USA) Quality Standard UL 162:

- Foam Quality Tests
- Class B Fire Test
- Foam Identification Tests
- Tests of Shipping Containers