

FOAM CONCENTRATE ENVIRONMENTALLY FRIENDLY FOAM AG-FP 3%



DESCRIPTION

AG-FP 3% is a fluoroportein foam concentrates containing fluorinated surfactants in carefully formulated protein foam liquid base. This ensures the production of a stabilised fluid foam which will cover a burning hydrocarbon fuel surface very rapidly. The water soluble fluorosurfactants makes the foam hydrocarbon repellent and reduces the amount of burning particles absorbed by the foam in fighting the hydrocarbon fuel fires. Once fire extinction has been achieved the high stability of the foam blanket ensures against the risk of re-ignition and provides excellent protection against "burn-back" should any inaccessible pockets of fire remains.

AG-FP 3% should be used as a 3% proportioned solution in fresh or sea water. It may be also used and stored as 3% pre-mix in fresh / portable water. The correct proportioned or mixture ratio is 3 parts of concentrate and 97 parts of water.

FEATURES

- UL Listed Foam Liquid Concentrate.
- Suitable to combat MTBE & ULG fires.
- Suitable for use with either fresh or salt water
- Suitable for use in fixed foam protection systems including sub surface into hydrocarbon fuels.
- Suitable for use with all siliconized dry chemical extinguishing agents.
- Suitable for use with deluge or closed head air-aspirating foam water sprinkler systems.
- Suitable for use with plastic, fiberglass, or mild steel containers.
- Recommended for use with air-aspirating foam nozzles.

APPLICATIONS

AG-FP 3% will provide quality 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
- Mobile equipment

DISCHARGE DEVICES

AG-FP 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-FP 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-FP 3% is measured against **Underwriters Laboratories Standard UL 162.**

TYPICAL SPECIFICATION

PRODUCT	Fluoroprotein Foam
APPEARANCE	Dark Brown Liquid
USE CONCENTRATION	3%
SPECIFIC GRAVITY	1.12 ± 0.03 g/ml
PH	7.5 + 0.5
VISCOSITY @ 20°C	< 20 cst
SUSPENDED SEDIMENT (V/V)	< 0.2 %
FREEZING POINT	-6°C
POUR POINT	-5°C
STORAGE TEMPERATURE	-5°C - +50°C
FOAM EXPANSION	Low > 7
FOAM DRAINAGE 25%	3 - 5 minutes

STORAGE AND HANDLING

When stored in the drums supplied the material has long shelf life. The minimum and maximum usable temperatures for AG-FP 3% UL concentrate are -5°C and +50°C respectively and shelf life should be 10 years when stored in original containers. As with all protein based materials, shelf life will be dependent on storage or transportation, thawing will render the product completely usable.

AG-FP 3% may be stored in plastic or SS304 or FRP containers. For bulk storage, mild steel tanks may be used provided the internal surface is coated with a protective coating such as epoxy. The use of galvanized material should be avoided for storage vessels and pipework involving the concentrate.

ENVIRONMENTAL IMPACT

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

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

Note: We reserve the right to modify specifications without prior notice.

APPROVALS

Quality Management System approved to

- ISO 9000 : 2000
- ISO 34000 : Environmental Management

UL (USA) Quality Standard UL 162:

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