FOAM CONCENTRATES

BFC - 33.1 PLATINUM AR-AFFF 3% ALCOHOL RESISTANT AQUEOUS FILM FORMING FOAM CONCENTRATE (3% AR-AFFF)

DESCRIPTION

Buckeye Platinum 3% AR-AFFF is an Earth Friendly enhanced state of-the-art foam concentrate designed for use on both Class B Hydrocarbon and polar solvent fuels. It generates an aqueous film on Class B Hydrocarbon type fuels or a polymeric membrane on polar solvent/water miscible type fuels. Buckeye Platinum 3% AR-AFFF is intended for use at a proportioning rate of 3% (3 parts AR AFFF concentrate to 97 parts water) on Class B Hydrocarbon fuels such as gasoline, kerosene and diesel as well as on polar solvent/water miscible fuels such as, isopropyl alcohol, ketone and esters.

FEATURES

- U. L. Listed and F. M. Approved.
- U. L. Listed at 1% proportioning rate for use in combating Class B Hydrocarbon type fuel fires.
- Used at a 3% proportioning rate on both Class B Hydrocarbon and polar solvent fuels.
- Suitable for use with either fresh or salt water.
- Suitable for use with Deluge and Closed-Head Foam Water Sprinkler systems.
- Suitable for use with fiberglass, polyethylene or stainless steel. Buckeye Platinum 3% AR-AFFF is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with dry chemical extinguishing agents.
- Excellent wetting characteristics when used in combating Class A combustibles.
- Suitable for use with both air-aspirating foam and standard water fog nozzles.

PROPORTIONING

Buckeye Platinum 3% AR-AFFF is designed for use with the following types of proportioning equipment.

- Fixed or portable in-line eductors.
- In-Line Balanced Pressure (ILBP) Pump Pressure proportioning skid.
- Bladder tank Balanced Pressure proportioning systems.
- Around-the-Pump proportioners.
- Handline, air-aspirating nozzles with fixed eductor pickup tube.

DISCHARGE DEVICES

Buckeye Platinum 3% AR-AFFF is suitable for use with the following discharge devices.

- Foam Chambers.
- Air-aspirating and non air-aspirating sprinklers 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 (Class B Hydrocarbon type fuels only.)

FOAMING PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 2-10 to 1 when 3% AR-AFFF is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of discharge device, flow rate and discharge pressure.

DESIGN INFORMATION

Cannot be used in subsurface applications with polar solvent type fuels.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance	Viscous light tan
Specific gravity	0.989 - 1.055
pH	7.0 - 8.0
Viscosity	1200 - 1800 cps

APPLICATION RATES

Recommended application rate on Class B Hydrocarbon type fuels is 0.10 gpm/sq. ft. and on polar solvent type fuels is 0.15 gpm/sq. ft. On the following specific polar solvent type fuels these are the recommended minimum application rates.

IPA	0.15 gpm/sq. ft.
METHANOL	0.10 gpm/sq. ft.
ETHANOL	0.14 gpm/sq. ft.
METHYL ETHYL KETONE	0.10 gpm/sq. ft.
ETHYL ACETATE	0.10 gpm/sq. ft.

ENVIRONMENTAL IMPACT

Buckeye Platinum 3% AR-AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants. Refer to Buckeye Technical Bulletin regarding foam products and the environment.

STORAGE

If kept in the original unopened and air tight Buckeye supplied container and stored within the temperature range of 35°F - 120°F (2°C -49°C), a shelf life of between 20-25 years can be expected. If the AR-AFFF is to be stored in an atmospheric type foam concentrate storage tank whether on mobile apparatus or stationary, limit the airspace above the surface of the concentrate where possible and place a thin layer of quality mineral oil on the surface of the foam concentrate to minimize any effect from evaporation.

ORDERING INFORMATION

Buckeye Platinum 3% AR-AFFF is available in 5 gallon plastic pails, 55 gallon plastic drums, 275 gallon plastic totes or can be shipped in bulk.

Part No. 50355	5 Gal. Pail (19 L)
Part No. 50360	55 Gal. Drum (209 L)
Part No. 50365	275 Gal. Tote (1042 L)

SHIPPING WEIGHT

5 Gal. Pail	44 lbs.
55 Gal. Drum	485 lbs.
275 Gal. Tote	2485 lbs.