FOAM CONCENTRATES

BFC-3.1 PLATINUM 3% AQUEOUS FILM FORMING FOAM CONCENTRATE (3% AFFF)

DESCRIPTION

Earth Friendly, the Buckeye Platinum 3% AFFF is a totally synthetic, aqueous film forming foam concentrate. A vapor suppressing aqueous film is formed by the foam solution draining from the expanded foam blanket. It is intended for use at a proportioning rate of 3% (3 parts AFFF concentrate to 97 parts water) on Class B Hydrocarbon type fuels such as gasoline, kerosene and diesel. Buckeye Platinum 3% AFFF is not intended for use on fuels which are polar solvent/water miscible such as alcohols, ketones and esters.

FEATURES

- U.L. Listed and F. M. Approved.
- Suitable for use with either fresh or salt water.
- Excellent wetting characteristics when used in combating Class A fires.
- Suitable for use with both aspirating foam and standard water fog nozzles.
- Suitable for use with Deluge or Closed-Head Foam Water Sprinkler systems.
- If inadvertently frozen, thawing will render product completely serviceable again.
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Buckeye Platinum 3% AFFF is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with siliconized dry chemical extinguishing agents.
- U. L. recommended application rate on Class B Hydrocarbon type fuels is 0.10/gpm sq. ft. for hoseline and/or monitor applications for hoseling and monitor applications.

PROPORTIONING

Buckeye Platinum 3% AFFF 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 Balanced Pressure proportioning systems.
- Around-the-Pump proportioners.
- Handline, air-aspirating nozzles with fixed eductor pickup tube.

DISCHARGE DEVICES

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

- Foam Chambers.
- Air-aspirating and non air-aspirating sprinklers or spray models.
- 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.)

APPLICATIONS

Buckeye Platinum 3% AFFF will provide quality protection for a wide range of hazardous areas such as:

- Crash Fire Rescue.
- Storage tanks.
- Truck/Rail loading or unloading facilities.
- Processing/Storage facilities.
- Docks/Marine tankers.
- Flammable liquid containment areas.
- Mobile equipment.

PERFORMANCE

To ensure the fire fighting performance requirements in today's environment, Buckeye fire tests their Platinum 3% AFFF to the fire performance requirements of:

U.L. 162.

Factory Mutual Research Corporation

UK. Ministry of Defense 42-24.

FOAMING PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 2-10 to 1 when Platinum 3% 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 devices, flow rate and discharge pressure.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance	Clear Colorless
Specific Gravity	0.987 - 1.009
pH	7.0 - 8.0
Viscosity	1- 5 cps

ENVIRONMENTAL IMPACT

Buckeye Platinum 3% 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 manufacturer's 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. When stored in other than the manufacturer's supplied container, check with Buckeye for storage guidelines.

ORDERING INFORMATION

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

Part No. 50340	5 Gal. Pail (19 L)
Part No. 50345	5 Gal. Drum (208 L)
Part No. 50350	275 Gal. Tote (1042 L)

SHIPPING WEIGHT

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