



## FOAM CONCENTRATES

### ***BFC - 6 6% AQUEOUS FILM FORMING FOAM CONCENTRATE (6% AFFF)***

#### DESCRIPTION

Buckeye 6% AFFF is an advanced 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 6% (6 parts AFFF concentrate to 94 parts water) on Class B Hydrocarbon type fuels such as gasoline, kerosene and diesel. Buckeye 6% AFFF is not intended for use on fuels which are polar solvent/water miscible such as alcohols, ketones and esters.

#### FEATURES

- U. L. Listed.
- Suitable for use with either fresh or salt water. Excellent wetting characteristics when used in combating Class A fires.
- Suitable for use with both air-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 6% AFFF is not compatible with galvanized pipe or fittings in an undiluted form. Suitable for use with 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

#### PROPORTIONING

Buckeye 6% AFFF is designed for use with the following types of proportioning equipment.

- Fixed or portable in-line eductor.
- In-Line Balanced Pressure (ILBP) Pump Pressure proportioning skid.

- Bladder tank Balanced Pressure proportioning system.
- Around-the-Pump proportioner.
- Handline, air-aspirating nozzle with fixed eductor pickup tube.

#### DISCHARGE DEVICES

Buckeye 6% 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.)

#### APPLICATIONS

Buckeye 6% 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 requirement required in today's environment, Buckeye fire tests their 6% AFFF to the fire performance requirements of:

U.L. 162.

UK. Ministry of Defense 42-24.

## FOAM PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6-10 to 1 when 6% 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.

## TYPICAL PROPERTIES AT 77°F (25°C)

Appearance	Colorless
Specific Gravity	0.993 - 1.013
pH	7.0 - 8.0
Viscosity	1.5 - 2.5 cps

## ENVIRONMENTAL IMPACT

Buckeye 6% 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 guide lines.

## ORDERING INFORMATION

Buckeye 6% AFFF is available in 5 gallon plastic pails, 55 gallon plastic drums, 275 gallon plastic totes or can be shipped in bulk.

Part No. 50130	5 Gal. Pail (19 L)
Part No. 50135	55 Gal. Drum (208 L)
Part No. 50140	275 Gal. Tote (1042 L)

## SHIPPING WEIGHT

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

