



## FOAM CONCENTRATES

### ***BFC - A PLATINUM CLASS A FIRE FIGHTING FOAM CONCENTRATE***

#### DESCRIPTION

Buckeye Platinum Class A is an Earth Friendly noncorrosive, nontoxic, biodegradable foam concentrate used primarily for Class A combustibles. When mixed with water in the correct proportion, it changes two properties of the water. It reduces the surface tension of the water, and produces foam which allows the water to cling to vertical or horizontal surfaces without run off. This allows the water to absorb more heat and provides greater penetration into Class A fuels.

Buckeye Class A Platinum Foam concentrate is formulated to meet the requirements of NFPA 1145, 1150 as well as the U.S.D.A. (United States Department of Agriculture) Forest Service requirements for Wildland Fire Foam.

#### FEATURES

- Water treated with Buckeye Platinum Class A Foam Concentrate is 3 to 5 times more effective on Class A Fires than untreated water.
- Water treated with Buckeye Platinum Class A will wet Class A fuels up to 20 times more efficiently than untreated water.
- Can be used with either fresh or salt water.
- Can be used with non-air-aspirating or aspirating handline nozzles.
- Suitable for use with helicopter Bambi bucket.
- Suitable for use with Compressed Air Foam Systems (CAFS.)
- Suitable for use on rubber (tires), coal, paper and many other types of Class A fuels.
- Suitable for use through medium expansion nozzles on Class A or contained Class B flammable liquids.
- Suitable for use with high expansion foam generators.
- Manufactured with materials that do not appear or are listed on any federal register under Sara Title III, Sec. 313 of the Federal Superfund and Emergency Planning Regulations.

#### RECOMMENDED APPLICATION RATES

- Helicopter Bambi Bucket 0.3% - 0.5%
- Handline, air-aspirating nozzle 0.3% - 0.5%
- Handline, non-air-aspirating nozzle 0.3% - 0.6%
- Compressed air foam system (CAFS) 0.1% -0.3%

**Note:** The above rates vary depending on the quality of the foam blanket required.

#### FOAMING PROPERTIES

The foaming property of Buckeye Platinum Class A is dependent on many different factors. Which include:

- Type of discharge device.
- System operating pressure.
- Amount of foam concentrate in the water.

#### PROPORTIONING

Buckeye Class A Platinum foam concentrate is suitable for use with most conventional foam proportioning equipment. Which include:

- Hypro Corporation Proportioning Systems Flow mix model 500 foam proportioner.
- Balanced pressure pump systems.
- In-line eductor.
- Around-the-Pump proportioners.

#### PERFORMANCE STANDARDS

Currently there is no U.L. Standard or approval process for Class A foam concentrates, except for use as a wetting agent. In this case wetting agents are investigated to evaluate their wetting and penetrating ability, reduction in surface tension of water and extinguishing ability as compared to water. Under this investigation they are not investigated in combination with specific items of hardware. The Forestry Service has a test protocol for Class A foam concentrates and Buckeye has submitted Class A Platini-



num foam concentrate and approval is pending. NFPA 18, currently being rewritten is the standard for vapor securing water additives.

#### TYPICAL PROPERTIES AT 77°F (25 C)

Appearance	Clear pale yellow
Specific gravity	1.00 - 1.020
pH	7.0 - 8.0
Surface Tension@	0.3% Solution 25.5 Dynes/cm 0.5% Solution 26.1 Dynes/cm 0.7% Solution 24.5 Dynes/cm 1.0% Solution 24.8 Dynes/cm
Viscosity	17 - 25 cps

#### STORAGE

If kept in the original manufacturer's supplied container and stored within the temperature range 35°F - 120°F (0°C - 49°C), a shelf life of 20-25 years can be expected. When stored in other than the manufacturer's supplied container, check with Buckeye for storage guidelines. If frozen during storage, thawing will render the product completely serviceable.

**Note:** it is not recommended to pre-mix Class A Platinum concentrate with water for long term storage.

#### ORDERING INFORMATION

Buckeye Platinum Class A foam concentrate can be supplied in:

Part No. 50190	5 Gal. Plastic Pail (19 L)
Part No. 50195	55 Gal. Plastic Drum (209 L)
Part No. 50200	275 Gal. Tote (1042L)

#### SHIPPING WEIGHT

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

