



FOAM CONCENTRATES

BFC - HXF HIGH EXPANSION FOAM CONCENTRATE

DESCRIPTION

Buckeye High Expansion Foam Concentrate is a synthetic based foaming agent designed to be used with medium or high expansion foam equipment. When used with medium or high expansion foam generating equipment, it is normally proportioned at a 2.2% concentration (2.2 parts to 97.8 parts of water.) When used through a high expansion or medium expansion generating discharge device the following extinguishing mechanism takes place:

- The large volume of foam produced blankets the area being protected and prevents air from reaching the fire.
- As the foam is generated with water, and comes in contact with the fire, a large amount of steam is generated which helps reduce the oxygen content in the atmosphere.
- The water content in the foam produces a valuable cooling effect on the fire. This is particularly so with medium expansion generated foam which has a higher water content.

FEATURES

- Excellent wetting characteristics when used in combating Class A combustible fires.
- If inadvertently frozen, thawing will render the product completely serviceable again.
- Can be used with the foam compatible dry chemical agents.
- Suitable for use with high and medium expansion foam generators.

PROPORTIONING

Buckeye Hi-Ex is suitable for use with the following equipment.

- Fixed or portable in-line eductors.
- In-Line Balanced Pressure (ILBP) Pump Pressure proportioning skid.
- Bladder tank Balanced Pressure proportioning system.

FOAM PROPERTIES

When Buckeye Hi-Ex is mixed with water in the correct proportion, expansion ratios of up to 1,000 to 1 can be achieved. This expansion ratio is dependent on the type of discharge device and pressure of the system when operating.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance	Clear pale yellow
Specific gravity	1.004 - 1.024
pH	7.0 - 8.0
Viscosity	18 - 26 cps

ENVIRONMENTAL IMPACT

Buckeye Hi-Ex is biodegradable, low in toxicity and can be handled by sewage treatment plants. Refer to the 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 original supplied container, check with Buckeye for storage guidelines.

ORDERING INFORMATION

Buckeye Hi-Ex is available in 5 gallon plastic pails, 55 gallon drums, 275 plastic totes, or can be shipped in bulk.

Part No. 50235	5 Gal. Pail (19 L)
Part No. 50240	55 Gal. Drum (209 L)
Part No. 50245	275 Gal. Tote (1042 L)

SHIPPING WEIGHT

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

