



FOAM CONCENTRATES

BFC - 3FP 3% FLUOROPROTEIN FOAM CONCENTRATE (3% FP)

DESCRIPTION

Buckeye 3% FP is a hydrolyzed protein based foam concentrate with fluorochemical surfactants. This foam concentrate makes a very fluid and stable foam which will cover a burning Class B Hydrocarbon fuel surface very rapidly. The water soluble fluorosurfactant gives the foam the ability to reject or repel Class B Hydrocarbons which decreases the amount of Class B Hydrocarbons being absorbed into the foam blanket during fire fighting activities.

Buckeye 3% FP is intended for use at a proportioning rate of 3% (3 parts FP to 97 parts water) on Class B Hydrocarbon type fuels such as gasoline, kerosene and diesel. Buckeye 3% FP 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 in fixed foam protection systems including subsurface into Class B Hydrocarbon fuels.
- Suitable for use with all siliconized dry chemical extinguishing agents.
- Suitable for use with Deluge or Closed-Head Air-Aspirating Foam Water Sprinkler systems.
- Suitable for use with plastic, fiberglass, or mild steel containers.
- Recommended for use with air-aspirating foam nozzles.
- Meets performance requirements of the United Kingdom Ministry of Defense Standard 42-22 for Fluoroprotein foam concentrates.

PROPORTIONING

Buckeye 3% FP 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.

APPLICATIONS

Buckeye 3% FP will provide excellent protection for a wide range of hazardous areas such as:

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

PERFORMANCE

Buckeye 3% FP has been tested to ensure that it will meet the fire performance requirements of:

UK. Ministry of Defense Standard 42-22.

U.L. 162.



FOAMING PROPERTIES

The foaming properties/expansion will vary depending on the type of discharge equipment, inlet pressure and flow rate. When tested to DEF 42- 22, the expansion should be at least 7 to 1 or higher with a 25% drain time of not less than 6.5 minutes.

DISCHARGE DEVICES

It is recommended that Buckeye 3% FP be used only through air-aspirating discharge devices such as:

- Foam Chambers.
- High Back Pressure Foam Maker (subsurface.)
- Air-aspirating foam nozzles.
- Air-aspirating sprinklers and spray nozzles.
- These types of discharge devices will give optimum performance, expansion and drainage times.

TYPICAL PROPERTIES AT 77°F (25°C)

Appearance	Dark Brown Liquid
Specific Gravity	1.10 ± 0.01
pH	6.75 ± 0.75
Viscosity	12.0 cps at 20°C
Freezing point	-2°F
Pour point	-5°F
Suspended sediment	less than 0.25% v/v

ENVIRONMENTAL IMPACT

Buckeye 3% FP is biodegradable, low in toxicity and can be treated in sewage treatment plants. This product does not contain any "heavy metal" salts such as zinc chloride which are reportable to Environmental Protection Agencies.

STORAGE /SHELF LIFE

If kept in the original manufacturer's supplied container(s) and stored within the temperature range of 20°F - 120°F (-7°C - 49°C) a shelf life of at least 7 - 10 years can be expected. If the product is frozen during storage or transportation, thawing will render the product completely usable.

ORDERING INFORMATION

Buckeye 3% FP is available in 25 liter plastic pails or 210 liter plastic drums.

Part No. 50300	25 Liter Pail (6.5 U.S. Gal.)
Part No. 50305	210 Liter Drum (55 U.S. Gal.)
Part No. 50310	(275 Gal. Tote)

SHIPPING WEIGHT

25 Liter Pail	67 lbs.
210 Liter Drum	560 lbs.

