

# PHOS-CHEK® 3% FP

## AFFF FREEZE PROTECTED AQUEOUS FILM FORMING FOAM CONCENTRATE



### DESCRIPTION

**PHOS-CHEK® 3% AFFF FP** foam concentrate is proportioned at 3% concentration, compatible in both fresh and sea water, for both fixed foam systems and manual application. PHOS-CHEK 3% AFFF FP foam is effective on hydrocarbon fuels like gasoline, heptane, crude oil, and other fuels that are not soluble in water. Our 3% AFFF FP concentrate is ideal for use on fixed foam systems and manual firefighting operations in low temperature -7 °F (22 °C) areas.

### APPLICATIONS

PHOS-CHEK 3% AFFF FP may be used with low expansion foam equipment (nozzles, monitors, foam chambers, etc.), non-aspirating devices (water spray nozzles and standard sprinklers) and medium expansion foam devices to fight fires involving Class B hydrocarbon fuel fires such as crude oil, aviation fuels, diesel, etc. It is not suitable for use on polar solvents or water miscible fuels such as alcohols, ketones, esters, and ethers.

### APPROVAL CERTIFICATIONS

UL 162 Listed and EN 1568-3:2008 (Class IB) Approved.



### TYPICAL PHYSICAL PROPERTIES

<b>Specific Gravity @ 68 °F (20 °C)</b>	<b>1.040 – 1.080</b>
<b>pH</b>	<b>8.0 ± 0.5</b>
<b>Viscosity (LV-1 Spindle @ 60 RPM)*</b>	<b>2 – 10 cP</b>
<b>Refractive Index</b>	<b>1.3800 – 1.3900</b>
<b>Lowest Temperature for Use</b>	<b>0 °F (-18 °C)</b>
<b>Freezing Point</b>	<b>-7 °F (-22 °C)</b>

\*Brookfield LVT

### SHELF LIFE, INSPECTION AND TESTING

The shelf life of any foam concentrate is maximized by proper storage conditions and maintenance. Factors affecting shelf life are wide temperature fluctuation, evaporation, dilution, and contamination by foreign materials. Properly stored PHOS-CHEK AFFF Class B foam concentrates should have no significant loss of firefighting performance for 20+ years. However, the National Fire Protection Association (NFPA) recommends annual testing of all firefighting foams.

**HANDLING PRECAUTIONS**

- For DETAILED SAFETY INFORMATION, please refer to the SDS.
- **Precautionary Measures:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary contact and removal of the material from the eyes, skin and clothing.
- **Eye Protection:** As a good industrial practice, the use of chemical goggles is recommended.
- **If in the eyes:** Flush with plenty of water.
- **Skin Protection:** Wear protective gloves when handling concentrate to minimize skin contact. Wash hands and contaminated skin after handling.
- **Respiratory Protection:** None required.
- For complete SDS, visit [www.phos-chek.com](http://www.phos-chek.com)

**STORAGE AND HANDLING**

The concentrate should be stored at temperatures between 35° F (1.7° C) and 120° F (49° C)\*\*, preferably in the original containers, approved bladder tanks, stainless steel, high density polyethylene, fiberglass or epoxy lined tanks. Concentrate piping acceptable materials of construction include stainless steel (either 304 or 316), some plastic piping including fiberglass and PVC, red brass, and black iron as long as the system is completely flooded eliminating the air/foam concentrate/carbon steel interface. Avoid permanent contact with carbon steel, iron, some copper alloys, & aluminum when the piping material and concentrate will be exposed to air. Galvanized piping should not be used in direct contact with the foam concentrate.

Foam concentrates are subject to evaporation, which accelerates when the product is exposed to air. Storage tanks should be sealed and fitted with a pressure vacuum vent to prevent free exchange of air.

\*\*EN APPROVAL: 35° F (1.7° C) and 122° F (50° C)

**PACKAGING**

ORDERING INFORMATION			
PHOS-CHEK 3% AFFF FP	lb.*	kg.*	Part #
5 Gallon Pail (20 litres)	43	19	10004052
55 Gallon Drum (200 litres)	468	212	10004031
265 Gallon Tote (1,000 litres)	2255	1023	10004030

\*Approximate shipping weight

\*Contact your local authorized PHOS-CHEK distributor or factory sales representative for additional details. <https://phoschek.com/contact/>



Solutions That Save.

**FOR MORE INFORMATION**

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:  
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