

1%

AFFF AQUEOUS FILM FORMING FOAM CONCENTRATE



DESCRIPTION

PHOS-CHEK® 1% AFFF foam concentrate is proportioned at 1% concentration, compatible in both fresh and sea water, for both fixed foam systems and manual application. PHOS-CHEK 1% AFFF foam is effective on hydrocarbon fuels like gasoline, heptane, crude oil, and other fuels that are not soluble in water. Our 1% AFFF concentrate is ideal for use on fixed foam systems in space constrained areas and is compatible with standard proportioning and foam making devices. Manual firefighting operations are labor intensive and the 1% concentrate requires less time to stage and takes up less room at the scene



APPLICATIONS

PHOS-CHEK 1% AFFF 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.

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.

TYPICAL PHYSICAL PROPERTIES

Specific Gravity @ 68 °F (20 °C)	1.020 – 1.060
pH	8.0 ± 0.5
Viscosity (LV-1 Spindle @ 60 RPM)*	5 – 12 cP
Refractive Index	1.3800 – 1.3900
Lowest Temperature for Use	32 °F (0 °C)
Freezing Point	20 °F (-7 °C)

*Brookfield LVT

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 bladdertanks, 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)

1%

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

PACKAGING

ORDERING INFORMATION	Shipping Weight		Catalog #
3% AFFF	lb.*	kg.*	Part #
5 Gallon Pail (20 litres)	43	19	10004005
55 Gallon Drum (200 litres)	468	212	10004006
265 Gallon Tote (1,000 litres)	2255	1023	10004007

*Approximate shipping weight

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



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FOR MORE INFORMATION

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