

PHOS-CHEK® 3% AFFF

AQUEOUS FILM FORMING FOAM CONCENTRATE



DESCRIPTION

PHOS-CHEK® 3% AFFF foam concentrate is proportioned at 3% concentration, compatible with fresh and sea water, for both fixed foam systems and manual application. PHOS-CHEK 3% AFFF foam is effective on hydrocarbon fuels like gasoline, heptane, crude oil, and other fuels that are not soluble in water. PHOS-CHEK foam concentrates are ideal for use on fixed foam systems in industrial facilities and is compatible with standard proportioning and foam making devices including bladder tank with proportioning devices, foam chambers, foam makers, sprinklers, self-inducting type nozzles, and in-line proportioners. PHOS-CHEK 3% AFFF is our systems level foam with our most extensive third party listings to address hydrocarbon fuel fires in industrial facilities. PHOS-CHEK 3% AFFF is also an excellent choice for manual firefighting operations including monitor and hand-line applications.

APPLICATIONS

PHOS-CHEK 3% AFFF may be used with low expansion foam equipment (nozzles and monitors), 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 aviation fuels, hydraulic oil, and diesel fuels. 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. This concentrate is only FM Approved in conjunction with the specific proportioning and discharge devices as shown in the Approval Guide (www.ApprovalGuide.com).



TYPICAL PHYSICAL PROPERTIES [AT 77 °F (25 °C)]

Appearance	Clear, light yellow liquid
Specific Gravity	1.000 – 1.040
pH	8.0 + 0.5
Viscosity (LV-4 Spindle @ 60 RPM)*	6 ± 4 cP
Refractive Index	1.3600 – 1.3700
Lowest Temperature for Use	32 °F (0 °C)
Freezing Point	21 °F (-6 °C)

*Brookfield LVT

VISCOSITY

@ 35 °F (1.7 °C)	LV-2 Spindle @ 60 RPM*	11 ± 9 cP
@ 68 °F (20 °C)	LV-1 Spindle @ 60 RPM*	6 ± 4 cP

*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 Class B AFFF 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.

STORAGE AND HANDLING

The concentrate should be stored at temperatures between 35 °F (1.7 °C) and 120 °F (49 °C)**, 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)

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 perimeter-solutions.com

PACKAGING

ORDERING INFORMATION			
PHOS-CHEK 3% AFFF	lb.*	kg.*	Part #
5 Gallon Pail (20 litres)	43	19	10003964
55 Gallon Drum (200 litres)	468	212	10003963
265 Gallon Tote (1,000 litres)	2255	1023	10003962

*Approximate shipping weight

Contact your local authorized PHOS-CHEK distributor or factory sales representative for additional details. perimeter-solutions.com



Solutions That Save.

FOR MORE INFORMATION

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

www.Perimeter-Solutions.com

UNITED STATES

1520 Brookfield Avenue
Green Bay, WI 54313
Tel: +1 800 682 3626
Tel: +1 920 593 9445
salesfoamusa@perimeter-solutions.com

EMEA

Polígono de Baiña, Parcela 23
33682 Mieres (Asturias)
Spain
Tel: +34 985 24 29 45
salesfoamemea@perimeter-solutions.com

ASIA PACIFIC

3 Charles Street
St Marys NSW 2760 – Australia
Tel: +61 2 9673 5300
salesfoamapac@perimeter-solutions.com

perimeter-solutions.com

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