

# 3x6%

## FLUORINE FREE

### ALCOHOL RESISTANT FOAM CONCENTRATE

#### DESCRIPTION

PHOS-CHEK® 3x6% FLUORINE FREE Alcohol Resistant foam concentrate is a mixture of water, hydrocarbon surfactants, and pseudoplastic polymers. This organohalogen free foam is an environmentally responsible next generation product for use on Class B hydrocarbon and polar solvent fuel fires with fresh water. This new formulation demonstrates Perimeter Solutions Products' commitment to superior firefighting performance and environmental responsibility. PHOS-CHEK 3x6% fluorine free is a very capable wetting agent and can be used on Class A fires.

The PHOS-CHEK 3x6% fluorine free foam is designed for rapid control and knockdown in both gentle and forceful applications on hydrocarbon fuel fires. In the case of polar solvents, the foam is approved with a type II application or gentle application.

#### APPLICATIONS

PHOS-CHEK 3x6% fluorine free is used in fire suppression systems and manual applications to fight a broad range of Class B flammable liquid fires including hydrocarbon fuels such as gasoline and diesel, and on polar solvent fuels such ketones and alcohols. Typical applications include storage tanks, loading racks, docks, process areas, warehouses, and is an excellent vapor suppressor for flammable liquid spills.

#### APPROVAL CERTIFICATIONS

UL 162 Listed, EN 1568-3:2008 (Class IA) and EN 1568-4:2008 (Class IB) Approved and meets the quality and performance test requirements of LASTFIRE.

#### 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 3 x 6% fluorine free 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)	1.030 – 1.070
pH	7.0 ± 0.5
Viscosity (LV-4 Spindle @ 30 RPM)*	3200 – 3900 cP
Refractive Index	1.3550 – 1.3650
Lowest temperature for use	32 °F (0 °C)
Freezing point	21 °F (-6 °C)

\* Brookfield LVT

#### ENVIRONMENTAL INFORMATION

Unlike legacy C8 and mixed homologue based fluorinated firefighting foams (AFFF, AR-AFFF, FFFP, AR-FFFP, FP, AR-FP) which are considered to be toxic and bioaccumulative based on current regulatory criteria, PHOS-CHEK 3x6% fluorine free alcohol resistant foam concentrate does not contain PFAS chemicals including, but not limited to, PFOS or PFOA. Fluorinated surfactants are used in fluorinated Class B foam concentrates. Never mix Class A and Class B foam concentrates.

Perimeter Solutions foam manufacturing process is intentionally separated between fluorinated and non-fluorinated concentrate types, thus eliminating the potential for cross contamination or residual contamination.

For more information, contact any of our worldwide Perimeter Solutions Fire Safety offices or visit [www.Phos-Chek.com](http://www.Phos-Chek.com) or [www.Perimeter-Solutions.com](http://www.Perimeter-Solutions.com)

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## FLUORINE FREE ALCOHOL RESISTANT FOAM CONCENTRATE

### 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.

\*\*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 [www.phos-chek.com](http://www.phos-chek.com)

### PACKAGING

#### ORDERING INFORMATION

	lbs*	kgs*	PART #
5 gallon pail (20 litres), PHOS-CHEK 3x6% FLUORINE FREE AR	43	19	10004070
55 gallon drum (200 litres), PHOS-CHEK 3x6% FLUORINE FREE AR	468	212	10004069
265 gallon tote (1,000 litres), PHOS-CHEK 3x6% FLUORINE FREE AR	2255	1023	10004068

\*Approximate shipping weight

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

