

# 1%

## FLUORINE FREE

CLASS B FOAM CONCENTRATE



### TYPICAL PHYSICAL PROPERTIES (Concentrate)

Specific gravity @ 68° F (20° C)	1.04
pH	7.0 ± .05
Viscosity	7 cps
Lowest temperature for use	35° F
Freezing point	23° F

### TYPICAL PROPERTIES (Solution)

Dilution rate	1%
Surface tension at @ 68° F (20° C)	25.0 ± 0.5
Interfacial tension with cyclohexane at @ 68° F (20° C)	1.5 ± 0.5
25% drain time (minutes)	8:22

### PACKAGING

#### ORDERING INFORMATION (LBS./kg.)

	LBS	KG	PRODUCT #
5 gallon pails (19 liters)	43	20	10004067
55 gallon drums (208 liters)	475	216	10004066
265 gallon reusable tote tank (984 liters)	2291	1039	10004065

Approximate weight

### DESCRIPTION

Phos-Chek® 1% fluorine free foam is a mixture of water and hydrocarbon surfactants. This organohalogen free foam is an environmentally responsible next generation product for use on Class B hydrocarbon fuels that have low water solubility. This new formulation demonstrates Perimeter Solutions' commitment to superior firefighting performance and environmental responsibility. Phos-Chek 1% fluorine free is a very capable wetting agent and can be used on Class A fires. The Phos-Chek 1% fluorine free foam is designed for rapid control and knockdown in both gentle and forceful applications on hydrocarbon fuel fires. Fluorine free foams can be an option for spill fires and are typically used in lower hazard fire scenarios.



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

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### HANDLING PRECAUTIONS

- FOR DETAILED SAFETY INFORMATION, please refer to the SDS.
- Precautionary Measure and First Aid: 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 immediately with water. Eye flushing equipment should also be available.
- Skin Protection: Wear protective gloves when handling concentrate to minimize skin contact. Wash hands and contaminated skin after handling.
- Respiratory Protection: None required. The location for public viewing of the SDS is on [www.phos-chek.com](http://www.phos-chek.com)

### APPLICATIONS

Phos-Chek 1% fluorine free foam may be used with low expansion foam equipment (nozzles and monitors) 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.

### 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 changes, extreme high or low temperatures, evaporation, dilution, and contamination by foreign materials. Properly stored Phos-Chek 1% 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.

### STORAGE AND HANDLING

The concentrate should be stored at temperatures between 35°F (2°C) and 122°F (+50°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.

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### APPROVAL CERTIFICATIONS

UL 162 and EN 1568-3 (Class IB) listed,  
Foam Liquid Concentrates