

# 1x3%

## AR-AFFF ULTRA

### ALCOHOL RESISTANT - AQUEOUS FILM FORMING FOAM CONCENTRATE

#### DESCRIPTION

PHOS-CHEK® 1x3% AR-AFFF ULTRA foam concentrate is a mixture of water, hydrocarbon surfactants, solvents, C6 fluorosurfactants and fluoropolymers. The product is equally effective in gentle or forceful applications and is proportioned at 1% for hydrocarbon fuel fires and at 3% for polar solvent fuel fires. The 1x3% AR-AFFF is UL, EN1568 Parts 3&4, and LASTFIRE approved. PHOS-CHEK 1x3% AR-AFFF ULTRA is versatile foam and the ideal for emergency response. PHOS-CHEK 1x3% AR-AFFF Ultra can be used with standard proportioning equipment, foam discharge devices, in-line foam proportioners, and self-inducting type nozzles.

#### APPLICATIONS

PHOS-CHEK 1x3% AR-AFFF ULTRA is used in emergency response situations, 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 as ketones and alcohols. Typical applications include storage tanks, loading racks, docks, process areas, and warehouses. It 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 IA) 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 re wide temperature fluctuation, evaporation, dilution, and contamination by foreign materials. Properly stored PHOS-CHEK AR-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)	1.040 – 1.180
pH	7.0 ± 0.5
Viscosity (LV-1 Spindle @ 30 RPM)*	1400 – 2000 cP
Refractive Index	1.3800 – 1.3900
Lowest temperature for use	20 °F (-7 °C)
Freezing point	14 °F (-10 °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 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)

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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#### 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

	lb*	kg*	PART #
5 gallon pail (20 litres), PHOS-CHEK 1x3% AR-AFFF ULTRA	43	19	10003997
55 gallon drum (200 litres), PHOS-CHEK 1x3% AR-AFFF ULTRA	468	212	10003996
265 gallon tote (1,000 litres), PHOS-CHEK 1x3% AR-AFFF ULTRA	2255	1023	10003995

\*Approximate shipping weight

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



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