3x6%

AR-AFFF

ALCOHOL RESISTANT – AQUEOUS FILM FORMING FOAM CONCENTRATE

PHOS-CHEK
FIRE RETARDANT | FOAM | GEL

DESCRIPTION

PHOS-CHEK® 3x6% AR-AFFF foam concentrate is a mixture of water, hydrocarbon surfactants, solvents, C6 fluorosurfactants and fluoropolymers. The product is a 3% x 6% concentrate that is intended to be proportioned at 3% for hydrocarbon fuel fires and at 6% for polar solvent fuel fires. PHOS-CHEK 3x6% AR-AFFF is designed for rapid control and knockdown by producing a thin aqueous film on hydrocarbon fuels or a polymer membrane on polar solvent fuels that minimize vapor release, a foam blanket that separates the fuel from the air, and continual draining of water from the foam blanket provides cooling at the fuel surface. 3x6% AR-AFFF's may have given way to the more modern 3x3 AR-AFFF's but many legacy systems still use 3x6%'s.

PHOS-CHEK 3x6% AR-AFFF is versatile foam for use in both fixed foam systems and emergency response. It is the choice by many municipal and industrial fire departments. PHOS-CHEK 3x6% AR-AFFF can be used with standard proportioning equipment, foam discharge devices, bladder tank/ proportioner systems, foam chambers, foam makers, sprinklers, in-line foam proportioners, and self-inducting type nozzles.

APPLICATIONS

PHOS-CHEK 3x6% AR-AFFF 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 and warehouses. It is also 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.

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 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)	1.030 – 1.070
pH	7.0 ± 0.5
Viscosity (LV-4 Spindle @ 30 RPM)*	1300 – 1900 cP
Refractive Index	1.3700 – 1.3800
Lowest temperature for use	32 °F (0 °C)
Freezing point	5 °F (-15 °C)

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 or 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**

PACKAGING

ORDERING INFORMATION

	lb*	kg*	PART #
5 gallon pail (20 litres), PHOS-CHEK 3x6% AR-AFFF	43	19	10004055
55 gallon drum (200 litres), PHOS-CHEK 3x6% AR-AFFF	468	212	10004054
265 gallon tote (1,000 litres), PHOS-CHEK 3x6% AR-AFFF	2255	1023	10004053

*Approximate shipping weight

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

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