

3x6

AR-AFFF

PSEUDOPLASTIC FOAM CONCENTRATE



TYPICAL PHYSICAL PROPERTIES (Concentrate)

Specific gravity @ 68° F (20° C)	1.05
pH	7.0 ± .05
Viscosity	1700 cps
Lowest temperature for use	35° F
Freezing point	~5° F

TYPICAL PROPERTIES (Solution)

Dilution rate	3% / 6%
Surface tension at @ 68° F (20° C)	16.0 ± 0.5
Interfacial tension with cyclohexane at @ 68° F (20° C)	3.0 ± 1.0
25% drain time (minutes)	~6:00

PACKAGING

ORDERING INFORMATION (LBS./kg.)

	LBS	KG	PRODUCT #
5 gallon pails (19 liters)	44	20	10004055
55 gallon drums (208 liters)	481	218	10004054
265 gallon reusable tote tank (984 liters)	2317	1051	10004053

Approximate weight

DESCRIPTION

Phos-Chek® 3x6 AR-AFFF (Alcohol-Resistant Aqueous Film Forming Foam) 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.



For more information, contact any of our worldwide Perimeter Solutions Fire Safety offices or visit us at www.Phos-Chek.com or Perimeter-Solutions.com

United States

Perimeter Solutions
10667 Jersey Blvd.
Rancho Cucamonga,
CA 91730
Tel: (800) 682-3626
(909) 983-0772
24 Hrs: (909) 946-7371
Fax: (909) 984-4770

Canada

Perimeter Solutions
Canada LTD
3060 Airport Road
Kamloops, BC
Canada, V2B 7X2
Tel: (800) 682-3626
(909) 983-0772
24 Hrs: (909) 946-7371
Fax: (909) 984-4770

Europe

Auxquimia S.A.U.
Poligono Industrial de
Baña, Parc, 23
33682 Baña-Mieres
Asturias - Spain
Tel: +34 985 242945
Fax: +34 985 253809

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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

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 as 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.

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 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.

STORAGE AND HANDLING

The concentrate should be stored at temperatures between 35°F (1.67°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. Galvanized piping is not recommended for AFFF piping systems.

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.

NOTICE

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APPROVAL CERTIFICATIONS

UL 162, EN 1568-3 (Class IA) and
EN 1568-4 (Class IA)