1x3

AR-AFFF

ULTRA FOAM CONCENTRATE

PHOS-CHEK
FIRE RETARDANT | FOAM | GEL

TYPICAL PHYSICAL PROPERTIES (Concentrate)

Specific gravity @ 68° F (20° C)	1.06
pH	7.0 ± .05
Viscosity	1900 cps
Lowest temperature for use	20º F
Freezing point	14º F

TYPICAL PROPERTIES (Solution)

Dilution rate	1% / 3%
Surface tension at @ 68° F (20° C)	16.0 ± 0.5
Interfacial tension with cyclohexane at @ 68° F (20° C)	4.0 ± 0.5
25% drain time (minutes)	3:00

DESCRIPTION

Perimeter Solutions® Phos-Chek® 1x3 AR-AFFF (Alcohol-Resistant Aqueous Film Forming Foam) Ultra 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.

PACKAGING

ORDERING INFORMATION (LBS./kg.)

	LBS	KG	PRODUCT #
5 gallon pails (19 liters)	44	20	10003997
55 gallon drums (208 liters)	486	221	10003996
265 gallon reusable tote tank (984 liters)	2343	1063	10003995

Approximate weight

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

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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 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 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.

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 20˚F (-6˚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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Perimeter SOLUTIONS
Quality Products. Exceptional Response.

Responsible Care®
Good Chemistry at Work

APPROVAL CERTIFICATIONS
UL 162, EN 1568-3 (Class IA) and
EN 1568-4 (Class IA), and LASTFIRE.