

PHOS-CHEK® 1x1% LV

AR-AFFF LOW VISCOSITY ALCOHOL RESISTANT – AQUEOUS FILM FORMING FOAM CONCENTRATE



DESCRIPTION

PHOS-CHEK® 1x1% AR-AFFF Low Viscosity foam concentrate is proportioned at 1% concentration, compatible in both fresh and sea water, for both fixed foam systems and manual application. PHOS-CHEK 1% AFFF LV foam is effective on hydrocarbon fuels like gasoline, heptane, crude oil, and other fuels that are not soluble in water. Our PHOS-CHEK 1% AR-AFFF LV concentrate is ideal for use on fixed foam systems in space constrained areas and is compatible with standard proportioning and foam making devices. Manual firefighting operations are labor intensive and the 1% concentrate requires less time to stage and takes up less room at the scene.

APPLICATIONS

PHOS-CHEK 1x1% AR-AFFF LV 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, warehouses, and is an excellent vapor suppressor for flammable liquid spills.

APPROVAL CERTIFICATIONS

UL 162 Listed, EN 1568-3:2008 (Class IB) and EN 1568-4:2008 (Class IB) Approved.



TYPICAL PHYSICAL PROPERTIES

Specific Gravity @ 68 °F (20 °C)	1.080 – 1.120
pH	8.5 ± 0.5
Viscosity (LV-1 Spindle @ 60 RPM)*	02 – 35 cP
Refractive Index	1.4000 – 1,4100
Lowest Temperature for Use	0 °F (-18 °C)
Freezing Point	-4 °F (-20 °C)

*Brookfield LVT

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.

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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 perimeter-solutions.com



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)

PACKAGING

ORDERING INFORMATION	Shipping Weight		Catalog #
1x1% AR-AFFF LV	lb.*	kg.*	Part #
5 Gallon Pail (20 litres)	43	19	10004061
55 Gallon Drum (200 litres)	468	212	10004060
265 Gallon Tote (1,000 litres)	2255	1023	10004059

*Approximate shipping weight

Contact your local authorized PHOS-CHEK distributor or factory sales representative for additional details. perimeter-solutions.com



Solutions That Save.

FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:
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