

# 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 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.

### 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)	1.080 – 1.120
pH	8.5 ± 0.5
Viscosity (LV-1 Spindle @ 60 RPM)*	20 – 35 cP
Refractive Index	1.4000 – 1.4100
Lowest temperature for use	0 °F (-18 °C)
Freezing point	-4 °F (-20 °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)

**UNITED STATES**  
PERIMETER SOLUTIONS, LP  
10667 Jersey Blvd.  
Rancho Cucamonga, CA 91730  
Tel: +1 800 682 3626  
+1 909 983 0772  
24HR: +1 909 946 7371

**EMEA**  
PERIMETER SOLUTIONS, LP  
Polígono Industrial De Baiña, Parc, 23  
33682 Baiña-Mieres Asturias – Spain  
Tel: +34 985 242945  
24HR: +44 01202864796

**ASIA PACIFIC**  
PERIMETER SOLUTIONS, LP  
3 Charles Street  
St Marys NSW 0276 – Australia  
Tel: +61 2 9673 5300  
24HR: +61 2 9430 6396

# 1x1% LV



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

### 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 1x1% AR-AFFF LV	43	19	10004061
55 gallon drum (200 litres), PHOS-CHEK 1x1% AR-AFFF LV	468	212	10004060
265 gallon tote (1,000 litres), PHOS-CHEK 1x1% AR-AFFF LV	2255	1023	10004059

\*Approximate shipping weight

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



**NOTICE** Perimeter Solutions makes no representations or warranties as to the completeness or accuracy of the information included herein. The information contained herein is not intended to provide regulatory, legal or expert advice relating to the products, its application or uses. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any industrial property or intellectual property rights, and Perimeter Solutions makes no representation or warranty, express or implied, that the use thereof will not infringe on any industrial property or intellectual property rights. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.