

FLAMMEX



AR - AFFF



1 x 1 1 x 3 % % % %
3 x 3 3 x 6 % % % %

PRODUCT DESCRIPTION

FireChem AR - AFFF is an ultra high efficiency multi purpose alcohol resistant film forming foam.

The film forming characteristics of FireChem AR - AFFF means that it spreads rapidly across a fire. As a result, it is highly effective against hydrocarbon fires and with the addition of special polymers it is also highly effective against polar solvents.

It is intended for use on hydrocarbon fuels such as gasoline, kerosene, diesel, etc. and on polar solvent / water miscible fuels such as alcohols, ketones, esters, etc.

FEATURES

- Suitable for use on hydrocarbon or polar solvent type fuels.

Excellent wetting characteristics when used in combating Class A fuel fires.

- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel.

Suitable for use with all siliconized dry chemical extinguishing agents

- Recommended minimum application rate on hydrocarbon fuels is 0.10gpm/ft2.

- Recommended minimum application rate on polar solvent fuels is 0.17 gpm / ft2 (Some Polar type fuel fires have been successfully extinguished with a lower application rate).

- Compatible with other AR - AFFF concentrates of equivalent characteristics.

HARDWARE COMPATABILITY



APPROVALS





SPECIFICATIONS

| PRODUCT | AR AFFF 1 X 1 | AR AFFF 1 X 3 | AR AFFF 3 X 3 | AR AFFF 3 X 6 |
|---------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| USE CONCENTRATION | 1% | 1% - 3% | 3% | 3% - 6% |
| SPECIFIC GRAVITY | 1.05 ± 0.03 | 1.05 ± 0.03 | 1.02 ± 0.02 | 1.02 ± 0.02 |
| pH @ 20°C | 7.5 ± 0.5 | 7.5 ± 0.5 | 7.5 ± 0.5 | 7.5 ± 0.5 |
| VISCOSITY @ 20°C | 2200 ± 500 CST | 1750 ± 500 CST | 1750 ± 500 CST | 1500 ± 500 CST |
| FREEZING POINT | -2°C | -2°C | -2°C | -2° C |
| POUR POINT | -1°C | -1°C | -1°C | -1°C |
| STORAGE TEMPERATURE | +1.7°C MINIMUM + 50°C MAXIMUM | +1.7°C MINIMUM + 50°C MAXIMUM | +1.7°C MINIMUM + 50°C MAXIMUM | +1.7°C MINIMUM + 50°C MAXIMUM |
| FOAM EXPANSION | LOW > 7 | LOW > 7 | LOW > 7 | LOW > 7 |
| 25% DRAINAGE TIME | 8 MINUTES | 8 MINUTES 12 MINUTES | 8 MINUTES | 8 MINUTES 12 MINUTES |

AREAS OF APPLICATION

FireChem AR - AFFF will provide quality protection for a wide range of hazardous areas such as:

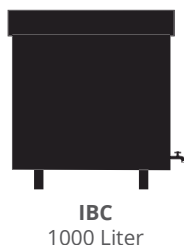
- Crash Fire Rescue
- Defense Facilities
- Storage tanks
- Truck/Rail loading or unloading facilities
- Processing/Storage facilities
- Docks/Marine tankers
- Flammable liquid containment
- areas Solvent extraction

STORAGE AND HANDLING

FireChem AR - AFFF may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 20 years or more when stored at recommended temperatures and in original containers.

If the FireChem AR - AFFF is to be stored in an atmospheric type foam concentrate storage tank whether on mobile apparatus or stationary, limit the air space above the surface of the concentrate where possible and place a thin layer of quality mineral oil the surface of the foam concentrate to minimize any effect from evaporation.

PACKAGING



ENVIRONMENTAL IMPACT

FireChem AR- AFFF is biodegradable, low in toxicity and can be treated in sewage treatment plants.