

AR – AFFF

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

UNITOR

HARDWARE COMPATABILITY



Fixed
Proportioning
System



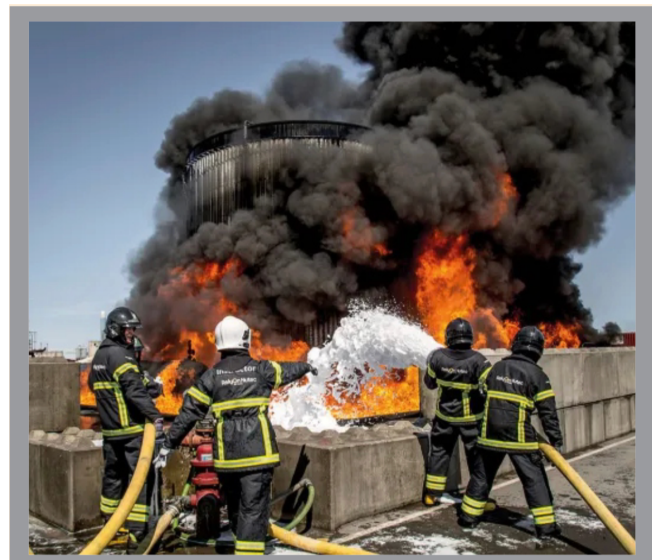
Foam Chambers
&
Monitors



Nozzles
&
Sprinklers

PRODUCT DESCRIPTION

UNITOR AR-AFFF is an ultra-high efficiency multipurpose alcohol resistant film forming foam. The film forming characteristics of **UNITOR AR-AFFF** means 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 on 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 0.10 gpm/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

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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

UNITOR 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 & HANDLING

UNITOR 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 UNITOR 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:

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