



USAFE GREEN

AFFF - 1% / 3% / 6%

IS4989:2018



CM/L-7200182207



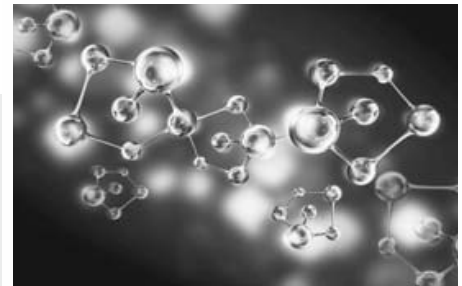
AQUEOUS FILM FORMING FOAM (AFFF For Fire Fighting)

USAFE GREEN AFFF is specially formulated non-toxic, clear liquid with no stratification or turbidity, is a fluoro-chemical foam concentrate, commonly known as AQUEOUS FILM FORMING FOAM CONCENTRATE (AFFF), which represents a major advancement in foam technology for effective extinguishment of Class A and B fires, as Low and Medium expansion foam.

It is a unique combination of fluorochemical and hydrocarbon surfactant with C6 technology along with solvent, stabilizers and preservatives to have a superior fire knockdown performance on all types of hydrocarbon fires. The aqueous film formed spreads rapidly over the fuel surface giving a very rapid control and extinguishment. The inherent self sealing property re-seals any disturbed surface of burning liquid, a great advantage in rapid rescue. **USAFE GREEN AFFF** do not have any PFOS or PFOA or its derivatives.

APPLICATIONS

USAFE GREEN AFFF is intended for use on Class B hydrocarbon fuels such as gasoline, kerosene, diesel etc. at a proportioning rate of 3% with fresh water and salt water. It is not recommended for use on fuels having considerable water solubility like alcohols, ketones etc. It is suitable for use in special appliances like Crash Tenders/ RIV where rapid extinguishment with limited quantity of foam is required. It can also be used in hydrocarbon storage tanks, process areas, warehouses, tanker loading areas and other local risks involving a spilled fuel fire.



C6 Fluorosurfactants

These are the most effective agents currently available to tackle serious flammable liquid fires, providing fire fighter safety and asset protection USAFE foams containing C6 surfactants utilise the very latest in fire fighting foam technologies, developed and refined specifically to lower the environmental impact without reducing performance.

PROPORTIONING

USAFE GREEN AFFF can easily be proportioned using conventional equipments

- Fixed and Portable In-line Inductors
- Balanced Pressure and variable flow proportioning systems.
- Bladder tanks.
- Around the pump inductor.



Fixed Proportioning System



Foam Chambers & Monitors



Nozzles & Sprinklers

COMPATIBILITY

USAFE GREEN AFFF is compatible with soft, hard, brackish or salt water. It can be used in combination with Dry powder extinguishing agents either separately or as twin agent systems.

USAFE GREEN AFFF shall not be mixed with other manufacturer's foam concentrate except for use in emergency situations.

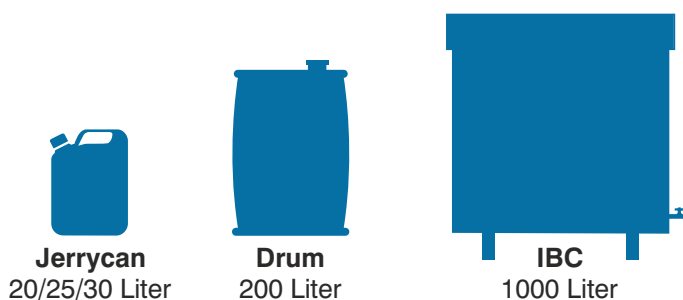
PHYSICAL PROPERTIES

PRODUCT	AFFF 1%	AFFF 3%	AFFF 6%
USE CONCENTRATION	1%	3%	6%
SPECIFIC GRAVITY	1.03±0.02	1.01±0.02	1.01±0.02
pH	7.5±.5	7.5±.5	7.5±.5
VISCOSITY @ 20°C	< 10 CST	< 10 CST	< 10 CST
SUSPENDED SEDIMENT (V/V)	< 0.1 %	< 0.1 %	< 0.1 %
FREEZING POINT	-2°C	-2°C	-2°C
POUR POINT	-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
FOAM EXPANSION	LOW > 7	LOW > 7	LOW > 7
25% DRAINAGE TIME	3 MINUTES	3 MINUTES	3 MINUTES

STORAGE & HANDLING

USAFE GREEN AFFF may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 10 years or more when stored at recommended temperatures and in original containers. It does not show significant sedimentation or precipitation in storage or after temperature cycling. Freezing and thawing have no effect on performance and the concentrate proportions satisfactorily in ordinary equipment at temperatures above 1.7°C. Synthetic foam concentrates should only be stored in stainless steel (Type 304L or 316), reinforced fibreglass polyester with a vinyl ester resin internal layer coating or plastic containers.

PACKING



OUR OTHER FIRE FIGHTING EQUIPMENT



Manufactured by

UNITED FIRE & SAFETY SERVICES

Works : 884/15, GIDC Industrial Estate, Makarpura, Baroda - 390 010.
Phone : 76000 17798 / 98250 17798 • E-mail : usafe.fire@gmail.com