

# FOAMER<sup>®</sup> BRAND ECOSOLV<sup>CS</sup> AR AFFF

(Alcohol Resistant Aqueous Film Forming Foam)



## 1. PRODUCT DESCRIPTION

FOAMER Brand Ecosolv<sup>CS</sup> AR-AFFF Concentrate is formulated from special fluoro-chemical and hydrocarbons surfactant, high molecular weight polymers, and solvents. It is multi purpose foams as it has application both in class A & class B type fires- water-miscible (polar solvents) & water-immiscible fuels (Hydrocarbons). When applied over polar solvents it forms a polymeric membrane to help prevent the release of the fuel vapor. Due to high drainage time, it has a better cooling effect.

### ENVIRONMENTAL CHEMISTRY BEHIND ECOSOLV<sup>CS</sup> AR AFFF

- As per U.S. EPA SNAP Program [US Environmental Agency 2010/15 PFOA Stewardship Program], Foam Concentrates should be manufactured based on environmentally friendly<sup>CS</sup> Fluorinated surfactant.
- FOAMER BRAND ECOSOLV<sup>CS</sup> AR AFFF is Re-engineered with Environmentally safe<sup>CS</sup> [Short Chain molecules] Fluoro Telomer-derived Fluoro surfactants which neither contains nor breaks down into PFOS and contains only traces of PFOA below the limit of detection [0.5 ppm].

## 2. 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.

## 3. HARDWARE COMPATIBILITY

- Fixed Proportioning Systems
- Foam Chambers and Monitors
- Nozzles and sprinklers

## 4. APPLICATION

FOAMER BRAND ECOSOLV<sup>CS</sup> AR-AFFF Concentrate can be used with standard & conventional low/medium expansion foam making equipment with fresh /sea/brackish water, either as a solution or through foam induction systems. This unique quality of FOAMER BRAND ECOSOLV<sup>CS</sup> AR-AFFF Concentrate makes it suitable for use in special applications like crash Tenders/Monitors/Foam chambers Air-aspirating and non-aspirating sprinkler heads or spray nozzles/Air-aspirating foam nozzles/portable foam Extinguishers etc. FOAMER BRAND ECOSOLV<sup>CS</sup> AR-AFFF Concentrate, applied into fixed water spray or sprinkler installations for protection of stores, ware-houses, tanker loading areas, and other local

risks involving a spilled fuel fire, has been found extremely effective. Various crude oils, gasoline, diesel fuels, aviation fuels, etc. its excellent wetting characteristics make it suitable in combating Class A fires as well. It can be used with dry chemical extinguishing agents without regard to the order of application to provide even greater fire protection capability



## 5. VARIANTS

Foamer BrandEcosolv<sup>CS</sup> AR-AFFF is available in three variants

FOAMER Brand Ecosolv<sup>CS</sup> AR-AFFF 1X3%

FOAMER Brand Ecosolv<sup>CS</sup> AR-AFFF 3X3%

FOAMER BrandEcosolv<sup>CS</sup> AR-AFFF 3X6%

## 5. TECHNICAL SPECIFICATIONS

PROPERTY	AR-AFFF-1/3%	AR-AFFF-3/3%	AFFF6%
Appearance	Amber color	Amber color	6%
pH @20°C	6.5-8.5	6.5-8.5	MIN 1.00
Sp gravity@20°C	1.00±10%	1.00±10%	BELOW 0oC
*Lowest use Temperature	0°C	0°C	FLOWS AT 0oC
Viscosity @20°C	Non-Newtonian fluid	Non-Newtonian fluid	0oC-50oC
**Expansion Ratio	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
**Drainage(25%)	Min 180sec	Min 180sec	MIN 90 SEC

\* Also available in freeze protect type.

\*\* Value depends on the equipment used system parameters.

\*\*\* Product customization is available as per requirement.

## 7. STORAGE AND HANDLING

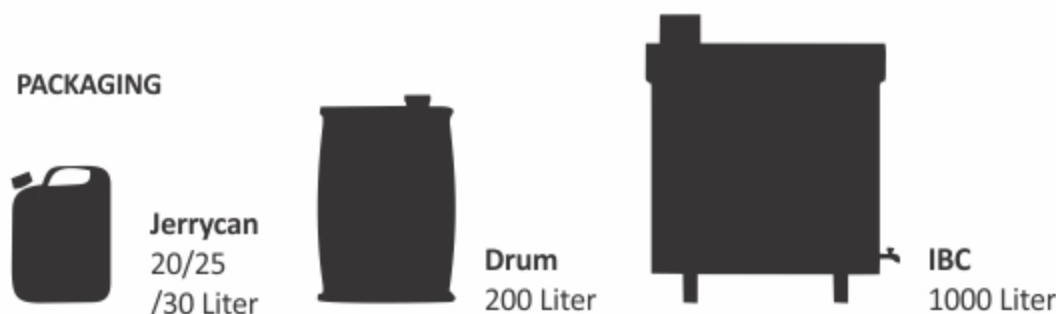
Handling: No special handling techniques are required. Avoid getting chemicals on you or in you. Wash hands after handling chemicals. Don't eat or drink while handling chemicals.

Storage: Recommended storage temperature is 0oC to 50oC. No special conditions are required for safe storage. The product should be stored in original sealed containers above 0oC and below 50oC and as much as possible it should keep from being washed into surface water.

## 8. ENVIRONMENTAL IMPACT

Foamer Brand AR-AFFF is eco-friendly, biodegradable, low in toxicity, and can be treated in sewage treatment plants.

## 9. PACKAGING



## 10. LISTINGS AND APPROVALS



ICAO



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