



# Foam Master 3F SP

Alcohol Resistant  
Fluorine Free Foam  
(AR-3F) Concentrate

## Excellence

*The ultimate firefighting and environmental performance*

Eau et Feu prides itself on the open and honest way in which we conduct our business throughout the world. Our foams are an extension of our ethical beliefs and we pride ourselves in being the responsible foam manufacturer, balancing high performance with minimal environmental impact.

## Innovative Formulation

Eau et Feu continues to develop and supply market leading fluorine free firefighting foam concentrates, specifically developed to match the rigorous and challenging needs of fire and rescue services throughout the world.

Eau et Feu's fluorine free foam concentrates have been designed for those circumstances when minimising environmental impact is paramount. They ensure fire fighters have the necessary tools and performance they require when it matters most.



Foam Master 3F SP is a superior quality Alcohol Resistant Fluorine Free Foam (AR-3F) fire fighting foam concentrate for extinguishing and securing flammable liquid hydrocarbon and polar solvent fuels.

Non fluorinated surface active agents combine with a foaming agent base to produce a vapour sealing foam blanket which provides fast control and extinguishment.

On polar solvents an insoluble polymeric membrane is formed which protects the foam blanket from the solvents.

Foam Master 3F SP provides a vapour suppressing foam blanket on spills of selected hazardous liquids. Please contact Eau et Feu for more information if this is of interest.

Foam Master 3F SP provides the following advantages:

- Stable and long-lasting foam blanket for excellent burnback resistance and post fire security.
- Foam blanket re-seals when ruptured by personnel or equipment.
- Reduced stocks, low cost storage, long shelf life and low use levels.

## Application

Due to its resistance to fuel pick-up, Foam Master 3F SP can be used via forceful application on hydrocarbon risks whereas gentle application is preferable on polar liquids.

## Typical Uses

Foam Master 3F SP is the ideal firefighting foam to use in high risk situations where hydrocarbon fuels (such as crude oil, gasoline, diesel fuel, aviation kerosene, esters and ethers) and/or polar solvents (such as alcohols, ketones, esters, and ethers) are stored, processed or transported.

Foam Master 3F SP is extensively used by industrial and municipal fire departments.

Typical applications include: process areas, warehouses, power stations, engine rooms.

## Specifications

Foam Master 3F SP is independently tested and approved to

Approvals			
Version	3/3	3/6	6/6
EN1568 pt 1	✓	✓	✓
EN1568 pt 2	✓	✓	✓
EN1568 pt 3 - Heptane	1A (1A)	1A (1A)	2B (3B)
EN1568 pt 4 - Acetone	1A (1A)	1A (1A)	1A (1A)
EN1568 pt 4 - IPA	2B (2A)	2A (2A)	2A (2A)

Number value: Extinguishment classification  
Letter value: Burnback approval  
1A (1A): Fresh water (Sea water)

# Foam Master 3F SP

## Alcohol Resistant Fluorine Free Foam (AR-3F) Concentrate

### General characteristics for foam concentrate (According to NF EN 1568 standards)

Version	3/3	3/6	6/6
Concentration Use Hydrocarbons %	3	3	6
Concentration Use Polar Liquids %	3	6	6
Specific Gravity kg/l	1.02 - 1.04	1.02 - 1.04	1.02 - 1.04
pH @ 20°C	7 - 8	7 - 8	7 - 8
Viscosity @ 20°C mPa.s at 375 s-1 shear rate	121	121	121
Freezing Point °C	-6	-6	-6
Recorded at MPA °C	-12	-12	???
Surface Tension mN/m	24 - 28	24 - 28	24 - 28
Interfacial Tension on Cyclohexane mN/m	1.5 - 5.5	1.5 - 5.5	1.5 - 5.5

### General characteristics for foam (According to NF EN 1568 standards)

Version	3/3	3/6	6/6
Low Expansion Drainage 25%	≥ 8:1, ≥ 60'00"	≥ 8:1, ≥ 60'00"	≥ 8:1, ≥ 60'00"
Medium Expansion Drainage 50%	≥ 80:1, ≥ 60'00"	≥ 80:1, ≥ 60'00"	≥ 120:1, ≥ 60'00"
High Expansion Drainage 50%	≥ 500:1, ≥ 60'00"	≥ 500:1, ≥ 60'00"	≥ 750:1, ≥ 60'00"

### Typical Packing Specification

	Plastic Square	Plastic Square	Plastic Cylindrical	Ecobulk MX
Capacity	20 litres	25 litres	200 litres	1000 litres
Part Number				



**PLAN URGENCE 24h/24h +33(0)3 26 50 64 10**

#### Eau et Feu

Zone industrielle Sud Est, Rue Aloys Senefelder,  
BP1008 - 51683 Reims, France  
Tel: +33 3 26 50 64 10 • Fax: +33 3 26 09 64 38  
Email: contact@eauetfeu.fr • Web: www.eauetfeu.fr

Eau et Feu operates a continuous programme of product development. The right is therefore reserved to modify any specification without prior notice and Eau et Feu should be contacted to ensure that the current issues of all technical data sheets are used.

© Eau et Feu 6874GB/1 04.18.