

## CAFS FOAM %1-3-6

### Description

CAFS FOAM % 1-3-6 Foam is specially formulated to make water more effective for fire fighting. The fluorosurfactants in CAFS FOAM % 1-3-6 foam significantly reduce water's surface tension and, when mixed with air, create a superior foam blanket that surrounds fuels with a thick layer of water. This creates a barrier between the fuel and the fire, knocking down the fire faster than water alone, and allowing fire fighters to see the areas of application. Making the water more effective reduces the amount of water needed to extinguish the fire, reduces water damage and increases fire fighter safety through quicker knockdown and reduced mop-up/overhaul requirements.

### Typical Physicochemical Properties

Appearance	Pale yellow liquid
pH(20 oC)	7.5 ± 1
Viscosity(20 oC)	Min 10 cP
Density(20 oC)	1.05 ± 0.03 gr/cm <sup>3</sup>
Storage Temperature	Min-15° C ,Max+60 °C
Sediment(20 oC)	< %0,05
Recommended usage concentration	%1-3-6
Suitable for use with fresh or seawater.	
Burn-Back Resistance Level	B
Fire Fight Performance Class	III
Pour Point	-13°C
Freeze Point	-15°C

### Application

CAFS FOAM % 1-3-6 is highly effective for fighting Class A/B fires when mixed with water at use rates of % 1-3-6. It has proven effectiveness in many applications including Compressed Air Foam Systems (CAFS), structural firefighting, forest fire suppression and prescribed burning, mine fires, industrial Class A/B fires, and for extinguishing hydrocarbon spill fire



### Approvals, Listings, and Standards

CAFS FOAM % 1-3-6 is in conformity with all national and international standards, EN 1568:2018 Part 1, Part 2, Part 3 Afmer Chemicals CO. operates a quality management system which complies with requirements of ISO 9001:2015.

### Foaming Properties

CAFS FOAM % 1-3-6 Concentrate may be effectively applied using most conventional foam discharge equipment at %1-3-6. dilution with fresh, salt, or hard water. For optimum performance, water hardness should not exceed 500 ppm expressed as calcium and magnesium.

CAFS FOAM % 1-3-6 Concentrate requires low energy to foam and the foam solution may be applied with aspirating and non-aspirating discharge devices.

Non-aspirating devices, such as handline water fog/stream nozzles or standard sprinkler heads, typically produce expansion ratios from 200:1 to 500:1.

### Performance

CAFS FOAM %1-3-6 is produced to rigorous quality control standards. After each production, the performance tests are performed to product in Afmer Chemicals CO. Performance Laboratories.

### Compatibility

CAFS FOAM % 1-3-6 is suitable for use in combination with:

- Soft or hard, fresh or seawater.
- Dry powder extinguishing agents either separately or as twin agent systems.
- Expanded CAFS foams for application to a fire in sequence or simultaneously.

CAFS FOAM % 1-3-6 properties do not change in case of frost. It recovers its initial properties as soon as it is defrosted.

### Storage

CAFS FOAM % 1-3-6 is exceptionally stable in long-term storage. Shelf life of at 10 years can be expected if it is stored properly in original container CAFS FOAM % 1-3-6 is suitable for storing steel tank body.

### Typical Packing Specification

Capacity	20 litres	30 litres	220 litres	1000 litres
Empty Weight (kg)	1.0	1.2	9.0	70
Filled Weight (kg)	21	32	230	1075
Dimensions (mm)	305 x 295 x 333	380 x 300 x 360	585 D x 945 H	1200 L x 1000 W x 1165 H

Palletizing of pails and drums is available upon request.