

AFOAM- SYNTHETIC 1-3-6%

Description

A FOAM-Synthetic % 1-3-6 Foam is specially formulated to make water more effective for fire fighting. The surfactants in A FOAM-Synthetic % 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.

TypicalPhysiochemicalProperties

Appearance	liquid
pH(20 oC)	7.1 ± 1
Viscosity(20 oC)	Min. 7 cP
Density(20 oC)	1.03 ± 0.02 gr/cm ³
Storage Temperature	Min-15° C ,Max+60 °C
Surface Tension	35 ± 2 mN/m `dir.
Sediment(20 oC)	< %0,05
Recommended usage concentration	%1-3-6
Suitable for use with fresh or seawater.	
Burn-Back Resistance Level	C
Fire Fight Performance Class	III
Pour Point	-12°C
Freze Point	-15°C

Application

A FOAM-Synthetic % 1-3-6 is highly effective for fighting Class A/B fires when mixed with water at use rates of % 1. 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

A FOAM-Synthetic % 1-3-6 is in conformity with all national and international standarts, EN 1568:2008 Part 1,Part2, Part 3, 96/98/EC directives Afmer Chemicals CO. operates a quality management system which complies with requirements of ISO 9001:2015.

Foaming Properties

A FOAM-Synthetic % 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.

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

High-expansion : 200:1 -500:1

Midium-expansion: 20:1-200:1

Low expansion: 10:1-20:1

Performance

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

Compatibility

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

- Soft or hard, fresh or seawater.
- Dry powder extinguishing agents either seperately or as twin agentsystems.
- Expanded synthetic foams for application to a fire in sequence or simultaneously.

A FOAM-Synthetic properties do not change in case of frost. It recovers its initial properties as soon as it is defrosted.

Storage

A FOAM-Synthetic %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. A FOAM-Synthetic %1-3-6 is suitable for storing steel tank body.

Typical Packing Specification

	Plastic Drum	Plastic Barrel	IBC Bulk	
Capacity	20 litres	30 litres	200 litres	1000 litres
Empty Weight (kg)	1.0	1.2	9.0	70
Filled Weight (kg)	21	32	210	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.